

## TEST REPORT

**Product** : INTELLIGENT AUTOMOTIVE  
DIAGNOSTICS ANALYZER  
**Trade mark** : OTOFIX  
**Model/Type reference** : D1 Pro  
**Serial Number** : N/A  
**Report Number** : EED32O80133703  
**FCC ID** : WQ8-D1PRO2124  
**Date of Issue** : Apr. 25, 2022  
**Test Standards** : 47 CFR Part 15 Subpart C  
**Test result** : PASS

Prepared for:

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Prepared by:

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Check No.: 7639260122



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**3 Version**

| Version No. | Date          | Description |
|-------------|---------------|-------------|
| 00          | Apr. 25, 2022 | Original    |
|             |               |             |
|             |               |             |

## 4 Test Summary

| Test Item                                     | Test Requirement                                   | Result |
|-----------------------------------------------|----------------------------------------------------|--------|
| Antenna Requirement                           | 47 CFR Part 15 Subpart C Section 15.203/15.247 (c) | PASS   |
| AC Power Line Conducted Emission              | 47 CFR Part 15 Subpart C Section 15.207            | PASS   |
| DTS Bandwidth                                 | 47 CFR Part 15 Subpart C Section 15.247 (a)(2)     | PASS   |
| Maximum Conducted Output Power                | 47 CFR Part 15 Subpart C Section 15.247 (b)(3)     | PASS   |
| Maximum Power Spectral Density                | 47 CFR Part 15 Subpart C Section 15.247 (e)        | PASS   |
| Band edge measurements                        | 47 CFR Part 15 Subpart C Section 15.247(d)         | PASS   |
| Conducted Spurious Emissions                  | 47 CFR Part 15 Subpart C Section 15.247(d)         | PASS   |
| Radiated Spurious Emission & Restricted bands | 47 CFR Part 15 Subpart C Section 15.205/15.209     | PASS   |

**Remark:**

Company Name and Address shown on Report, the sample(s) and sample Information were Provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.

## 5 General Information

### 5.1 Client Information

|                          |                                                                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicant:               | Autel Intelligent Technology Corp.,Ltd.                                                                                                                    |
| Address of Applicant:    | 7th-8th, 10th Floor, Bldg. B1, Zhiyuan, Xueyuan Rd. Xili, Nanshan, Shenzhen, China                                                                         |
| Manufacturer:            | Autel Intelligent Technology Corp.,Ltd.                                                                                                                    |
| Address of Manufacturer: | 7th-8th, 10th Floor, Bldg. B1, Zhiyuan, Xueyuan Rd. Xili, Nanshan, Shenzhen, China                                                                         |
| Factory:                 | Autel Intelligent Technology Corp., Ltd. Guangming Branch                                                                                                  |
| Address of Factory:      | 7F&6F, East Wing, Building 2, and 6F of Electronical Building, Yanxiang Industrial Zone, Gaoxin Rd, Dongzhou Community of Guangming New District, Shenzhen |

### 5.2 General Description of EUT

|                       |                                                                                                                                                                |                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Product Name:         | INTELLIGENT AUTOMOTIVE DIAGNOSTICS ANALYZER                                                                                                                    |                                                                                    |
| Model No.:            | D1 Pro                                                                                                                                                         |                                                                                    |
| Trade mark:           | OTOFIX                                                                                                                                                         |                                                                                    |
| Product Type:         | Portable                                                                                                                                                       |                                                                                    |
| Operation Frequency:  | IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz<br>IEEE 802.11n(HT40): 2422MHz to 2452MHz                                                                           |                                                                                    |
| Modulation Type:      | IEEE for 802.11b: DSSS(CCK,DQPSK,DBPSK)<br>IEEE for 802.11g :OFDM(64QAM, 16QAM, QPSK, BPSK)<br>IEEE for 802.11n(HT20 and HT40) : OFDM (64QAM, 16QAM,QPSK,BPSK) |                                                                                    |
| Number of Channel:    | IEEE 802.11b/g, IEEE 802.11n HT20: 11 Channels<br>IEEE 802.11n HT40: 7 Channels                                                                                |                                                                                    |
| Channel Separation:   | 5MHz                                                                                                                                                           |                                                                                    |
| Test Software of EUT: | QRCT                                                                                                                                                           |                                                                                    |
| Antenna Type:         | PIFA Antenna                                                                                                                                                   |                                                                                    |
| Antenna Gain:         | Ant1:3.9dBi, Ant 2:2.6dBi                                                                                                                                      |                                                                                    |
| Power Supply:         | Adapter:                                                                                                                                                       | Model:GME36E-120300FDR<br>Input:100-240V~50/60Hz 1.2A<br>Output:12V --- 3.0A 36.0W |
| Test Voltage:         | AC 120V                                                                                                                                                        |                                                                                    |
| Sample Received Date: | Jan. 26, 2022                                                                                                                                                  |                                                                                    |
| Sample tested Date:   | Jan. 26, 2022 to Mar. 07, 2022                                                                                                                                 |                                                                                    |

| Operation Frequency each of channel (802.11b/g/n HT20) |           |         |           |         |           |         |           |
|--------------------------------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|
| Channel                                                | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 1                                                      | 2412MHz   | 4       | 2427MHz   | 7       | 2442MHz   | 10      | 2457MHz   |
| 2                                                      | 2417MHz   | 5       | 2432MHz   | 8       | 2447MHz   | 11      | 2462MHz   |
| 3                                                      | 2422MHz   | 6       | 2437MHz   | 9       | 2452MHz   |         |           |
| Operation Frequency each of channel (802.11n HT40)     |           |         |           |         |           |         |           |
| Channel                                                | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 3                                                      | 2422MHz   | 6       | 2437MHz   | 9       | 2452MHz   |         |           |
| 4                                                      | 2427MHz   | 7       | 2442MHz   |         |           |         |           |
| 5                                                      | 2432MHz   | 8       | 2447MHz   |         |           |         |           |

**Note:**

In section 15.31(m), regards to the operating frequency range over 10 MHz, the lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

**802.11b/g/n (HT20)**

| Channel             | Frequency |
|---------------------|-----------|
| The lowest channel  | 2412MHz   |
| The middle channel  | 2437MHz   |
| The highest channel | 2462MHz   |

**802.11n (HT40)**

| Channel             | Frequency |
|---------------------|-----------|
| The lowest channel  | 2422MHz   |
| The middle channel  | 2437MHz   |
| The highest channel | 2452MHz   |

### 5.3 Test Configuration

| EUT Test Software Settings:                                                                                                                                                                                  |           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Software:                                                                                                                                                                                                    | QRCT      |
| EUT Power Grade:                                                                                                                                                                                             | Default   |
| Use test software to set the lowest frequency, the middle frequency and the highest frequency keep transmitting of the EUT.                                                                                  |           |
| Test Mode:                                                                                                                                                                                                   |           |
| We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows: |           |
| <b>Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.</b>                                                                                                  |           |
| Mode                                                                                                                                                                                                         | Data rate |
| 802.11b                                                                                                                                                                                                      | 1Mbps     |
| 802.11g                                                                                                                                                                                                      | 6Mbps     |
| 802.11n(HT20)                                                                                                                                                                                                | 6.5Mbps   |
| 802.11n(HT40)                                                                                                                                                                                                | 13.5Mbps  |
| According to ANSI C63.10 standards, the test results are both the "worst case" and "worst setup" 1Mbps for 802.11b, 6Mbps for 802.11g, 6.5Mbps for 802.11n(HT20) and 6.5Mbps for 802.11n(HT40).              |           |

### 5.4 Test Environment

| Operating Environment:       |            |
|------------------------------|------------|
| Radiated Spurious Emissions: |            |
| Temperature:                 | 22~25.0 °C |
| Humidity:                    | 50~55 % RH |
| Atmospheric Pressure:        | 1010mbar   |
| Conducted Emissions:         |            |
| Temperature:                 | 22~25.0 °C |
| Humidity:                    | 50~55 % RH |
| Atmospheric Pressure:        | 1010mbar   |
| RF Conducted:                |            |
| Temperature:                 | 22~25.0 °C |
| Humidity:                    | 50~55 % RH |
| Atmospheric Pressure:        | 1010mbar   |

### 5.5 Description of Support Units

The EUT has been tested with associated equipment below.  
support equipment

| Description | Manufacturer | Model No.     | Certification | Supplied by |
|-------------|--------------|---------------|---------------|-------------|
| Netbook     | DELL         | Latitude 3490 | FCC&CE        | CTI         |

## 5.6 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax: +86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

## 5.7 Measurement Uncertainty (95% confidence levels, k=2)

| No. | Item                            | Measurement Uncertainty |
|-----|---------------------------------|-------------------------|
| 1   | Radio Frequency                 | $7.9 \times 10^{-8}$    |
| 2   | RF power, conducted             | 0.46dB (30MHz-1GHz)     |
|     |                                 | 0.55dB (1GHz-40GHz)     |
| 3   | Radiated Spurious emission test | 3.3dB (9kHz-30MHz)      |
|     |                                 | 4.3dB (30MHz-1GHz)      |
|     |                                 | 4.5dB (1GHz-18GHz)      |
|     |                                 | 3.4dB (18GHz-40GHz)     |
| 4   | Conduction emission             | 3.5dB (9kHz to 150kHz)  |
|     |                                 | 3.1dB (150kHz to 30MHz) |
| 5   | Temperature test                | 0.64°C                  |
| 6   | Humidity test                   | 3.8%                    |
| 7   | DC power voltages               | 0.026%                  |

## 6 Equipment List

| RF test system                    |                     |          |               |                           |                               |
|-----------------------------------|---------------------|----------|---------------|---------------------------|-------------------------------|
| Equipment                         | Manufacturer        | Mode No. | Serial Number | Cal. Date<br>(mm-dd-yyyy) | Cal. Due date<br>(mm-dd-yyyy) |
| Spectrum Analyzer                 | Keysight            | N9010A   | MY54510339    | 12-24-2021                | 12-23-2022                    |
| Signal Generator                  | Keysight            | N5182B   | MY53051549    | 12-24-2021                | 12-23-2022                    |
| Signal Generator                  | Agilent             | N5181A   | MY46240094    | 12-24-2021                | 12-23-2022                    |
| DC Power                          | Keysight            | E3642A   | MY56376072    | 12-24-2021                | 12-23-2022                    |
| Power unit                        | R&S                 | OSP120   | 101374        | 12-24-2021                | 12-23-2022                    |
| RF control unit                   | JS Tonscend         | JS0806-2 | 158060006     | 12-24-2021                | 12-23-2022                    |
| Communication test set            | R&S                 | CMW500   | 120765        | 08-04-2021                | 08-03-2022                    |
| high-low temperature test chamber | Dong Guang Qin Zhuo | LK-80GA  | QZ20150611879 | 12-24-2021                | 12-23-2022                    |
| Temperature/Humidity Indicator    | biaozhi             | HM10     | 1804186       | 06-24-2021                | 06-23-2022                    |
| BT&WI-FI Automatic test software  | JS Tonscend         | JS1120-3 | 2.6.77.0518   | ---                       | ---                           |

| Conducted disturbance Test         |              |           |               |                          |                          |
|------------------------------------|--------------|-----------|---------------|--------------------------|--------------------------|
| Equipment                          | Manufacturer | Model No. | Serial Number | Cal. date                | Cal. Due date            |
|                                    |              |           |               | (mm-dd-yyyy)             | (mm-dd-yyyy)             |
| Receiver                           | R&S          | ESCI      | 100435        | 04-15-2021               | 04-14-2022               |
| Temperature/<br>Humidity Indicator | Defu         | TH128     | /             | ---                      | ---                      |
| LISN                               | R&S          | ENV216    | 100098        | 03-04-2021<br>03-01-2022 | 03-03-2022<br>02-28-2023 |
| Barometer                          | changchun    | DYM3      | 1188          | ---                      | ---                      |

| 3M Semi-anechoic Chamber (2)- Radiated disturbance Test |              |                  |            |            |            |
|---------------------------------------------------------|--------------|------------------|------------|------------|------------|
| Equipment                                               | Manufacturer | Model            | Serial No. | Cal. Date  | Due Date   |
| 3M Chamber &<br>Accessory<br>Equipment                  | TDK          | SAC-3            | ---        | 05/24/2019 | 05/23/2022 |
| Receiver                                                | R&S          | ESCI7            | 100938-003 | 10/14/2021 | 10/13/2022 |
| TRILOG<br>Broadband<br>Antenna                          | schwarzbeck  | VULB 9163        | 9163-618   | 05/23/2019 | 05/22/2022 |
| Multi device<br>Controller                              | matureo      | NCD/070/10711112 | ---        | ---        | ---        |
| Horn Antenna                                            | ETS-LINGREN  | BBHA 9120D       | 9120D-1869 | 04/15/2021 | 04/14/2024 |
| Spectrum Analyzer                                       | R&S          | FSP40            | 100416     | 04/29/2021 | 04/28/2022 |
| Microwave<br>Preamplifier                               | Agilent      | 8449B            | 3008A02425 | 06/23/2021 | 06/22/2022 |

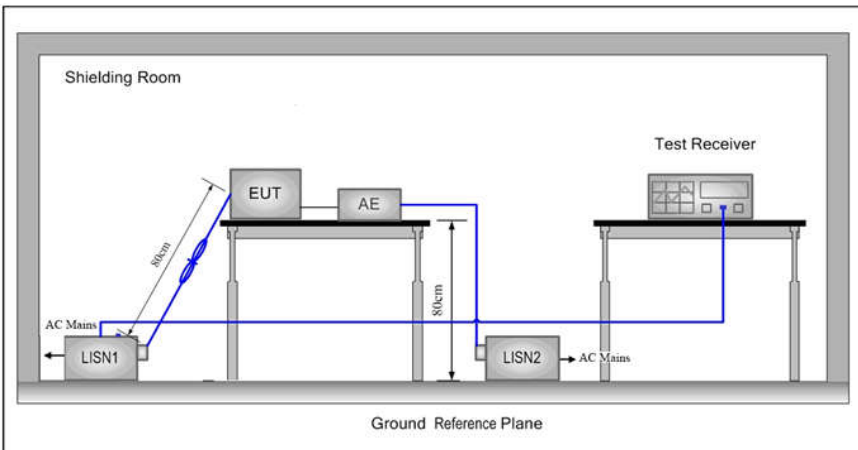
| 3M full-anechoic Chamber       |              |                   |               |                           |                               |
|--------------------------------|--------------|-------------------|---------------|---------------------------|-------------------------------|
| Equipment                      | Manufacturer | Model No.         | Serial Number | Cal. Date<br>(mm-dd-yyyy) | Cal. Due date<br>(mm-dd-yyyy) |
| RSE Automatic test software    | JS Tonscend  | JS36-RSE          | 10166         | ---                       | ---                           |
| Receiver                       | Keysight     | N9038A            | MY57290136    | 03-04-2021<br>03-01-2022  | 03-03-2022<br>02-28-2023      |
| Spectrum Analyzer              | Keysight     | N9020B            | MY57111112    | 03-04-2021<br>02-23-2022  | 03-03-2022<br>02-22-2023      |
| Spectrum Analyzer              | Keysight     | N9030B            | MY57140871    | 03-04-2021<br>02-23-2022  | 03-03-2022<br>02-22-2023      |
| TRILOG Broadband Antenna       | Schwarzbeck  | VULB 9163         | 9163-1148     | 04-28-2021                | 04-27-2024                    |
| Horn Antenna                   | Schwarzbeck  | BBHA 9170         | 9170-832      | 04-15-2021                | 04-14-2024                    |
| Horn Antenna                   | ETS-LINDGREN | 3117              | 57407         | 07-04-2021                | 07-03-2024                    |
| Preamplifier                   | EMCI         | EMC184055SE       | 980597        | 05-20-2021                | 05-19-2022                    |
| Preamplifier                   | EMCI         | EMC001330         | 980563        | 04-15-2021                | 04-14-2022                    |
| Preamplifier                   | JS Tonscend  | 980380            | EMC051845SE   | 12-24-2021                | 12-23-2022                    |
| Communication test set         | R&S          | CMW500            | 102898        | 12-24-2021                | 12-23-2022                    |
| Temperature/Humidity Indicator | biaozhi      | GM1360            | EE1186631     | 04-16-2021                | 04-15-2022                    |
| Fully Anechoic Chamber         | TDK          | FAC-3             | ---           | 01-09-2021                | 01-08-2024                    |
| Cable line                     | Times        | SFT205-NMSM-2.50M | 394812-0001   | ---                       | ---                           |
| Cable line                     | Times        | SFT205-NMSM-2.50M | 394812-0002   | ---                       | ---                           |
| Cable line                     | Times        | SFT205-NMSM-2.50M | 394812-0003   | ---                       | ---                           |
| Cable line                     | Times        | SFT205-NMSM-2.50M | 393495-0001   | ---                       | ---                           |
| Cable line                     | Times        | EMC104-NMNM-1000  | SN160710      | ---                       | ---                           |
| Cable line                     | Times        | SFT205-NMSM-3.00M | 394813-0001   | ---                       | ---                           |
| Cable line                     | Times        | SFT205-NMNM-1.50M | 381964-0001   | ---                       | ---                           |
| Cable line                     | Times        | SFT205-NMSM-7.00M | 394815-0001   | ---                       | ---                           |
| Cable line                     | Times        | HF160-KMKM-3.00M  | 393493-0001   | ---                       | ---                           |

## 7 Test results and Measurement Data

### 7.1 Antenna Requirement

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| <b>Standard requirement:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 47 CFR Part 15C Section 15.203 /247(c) |
| <p>15.203 requirement:<br/>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is Prohibited.</p> <p>15.247(b) (4) requirement:<br/>The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.</p> |                                        |
| <b>EUT Antenna:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Please see Internal photos             |
| The antenna is PIFA antenna. The best case gain of the antenna are ant1:3.9 dBi and ant2:2.6dBi.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                        |

## 7.2AC Power Line Conducted Emissions

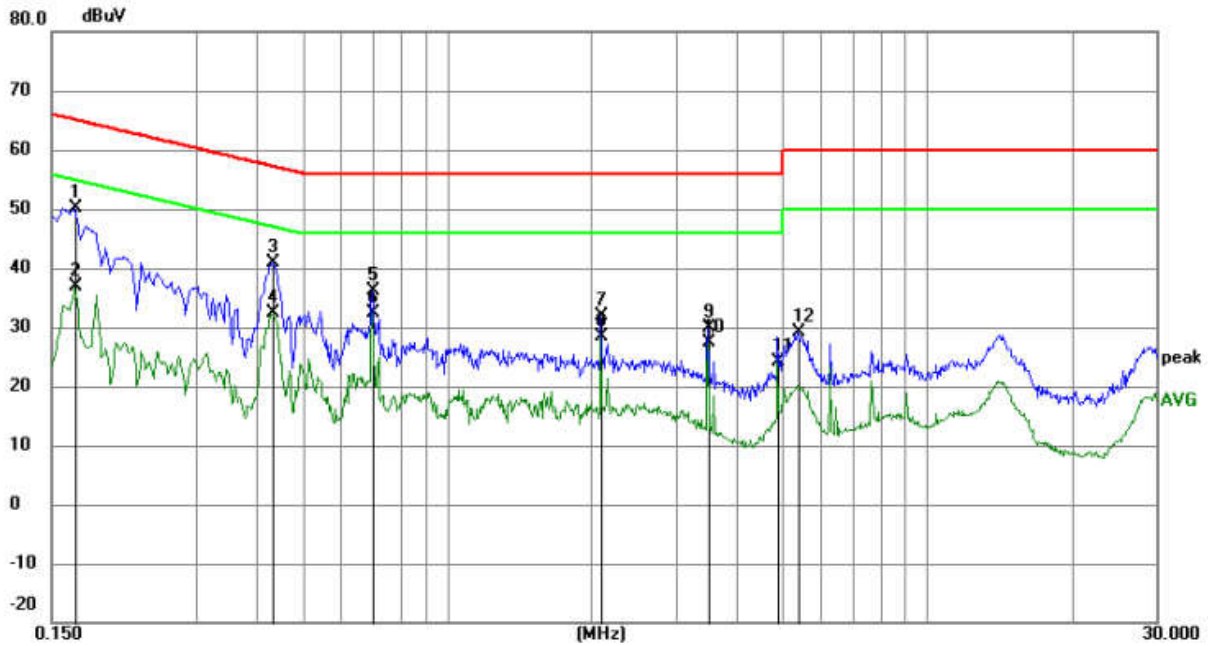
|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |           |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|
| Test Requirement:                                | 47 CFR Part 15C Section 15.207                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |           |
| Test Method:                                     | ANSI C63.10: 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |           |
| Test Frequency Range:                            | 150kHz to 30MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |           |
| Receiver setup:                                  | RBW=9 kHz, VBW=30 kHz, Sweep time=auto                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |           |
| Limit:                                           | Frequency range (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Limit (dBuV) |           |
|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quasi-peak   | Average   |
|                                                  | 0.15-0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 66 to 56*    | 56 to 46* |
|                                                  | 0.5-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 56           | 46        |
|                                                  | 5-30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 60           | 50        |
| * Decreases with the logarithm of the frequency. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |           |
| Test Setup:                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |           |
| Test Procedure:                                  | <ol style="list-style-type: none"> <li>1) The mains terminal disturbance voltage test was conducted in a shielded room.</li> <li>2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which Provides a <math>50\Omega/50\mu\text{H} + 5\Omega</math> linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN Provided the rating of the LISN was not exceeded.</li> <li>3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.</li> <li>4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.</li> <li>5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.</li> </ol> |              |           |
| Test Mode:                                       | All modes were tested, only the worse case lowest channel of 1Mbps for 802.11b was recorded in the report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |           |

Test Results:

Pass

## Measurement Data

Live line:

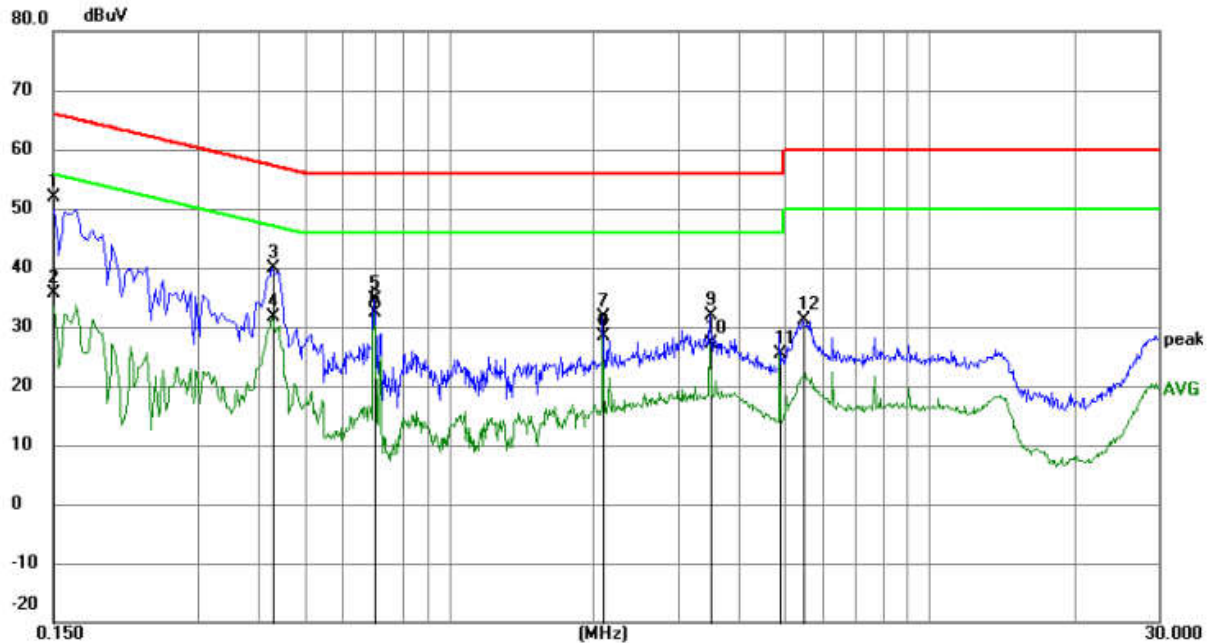


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|--------------|----------|---------|
| 1   |     | 0.1680       | 40.37                    | 9.87                    | 50.24                    | 65.06         | -14.82       | QP       |         |
| 2   |     | 0.1680       | 26.98                    | 9.87                    | 36.85                    | 55.06         | -18.21       | AVG      |         |
| 3   |     | 0.4335       | 30.85                    | 9.96                    | 40.81                    | 57.19         | -16.38       | QP       |         |
| 4   |     | 0.4335       | 22.35                    | 9.96                    | 32.31                    | 47.19         | -14.88       | AVG      |         |
| 5   |     | 0.6990       | 26.28                    | 9.88                    | 36.16                    | 56.00         | -19.84       | QP       |         |
| 6   | *   | 0.6990       | 22.49                    | 9.88                    | 32.37                    | 46.00         | -13.63       | AVG      |         |
| 7   |     | 2.0940       | 21.98                    | 9.79                    | 31.77                    | 56.00         | -24.23       | QP       |         |
| 8   |     | 2.0940       | 18.58                    | 9.79                    | 28.37                    | 46.00         | -17.63       | AVG      |         |
| 9   |     | 3.4935       | 20.01                    | 9.78                    | 29.79                    | 56.00         | -26.21       | QP       |         |
| 10  |     | 3.4935       | 17.53                    | 9.78                    | 27.31                    | 46.00         | -18.69       | AVG      |         |
| 11  |     | 4.8885       | 14.25                    | 9.78                    | 24.03                    | 46.00         | -21.97       | AVG      |         |
| 12  |     | 5.3790       | 19.30                    | 9.78                    | 29.08                    | 60.00         | -30.92       | QP       |         |

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Neutral line:

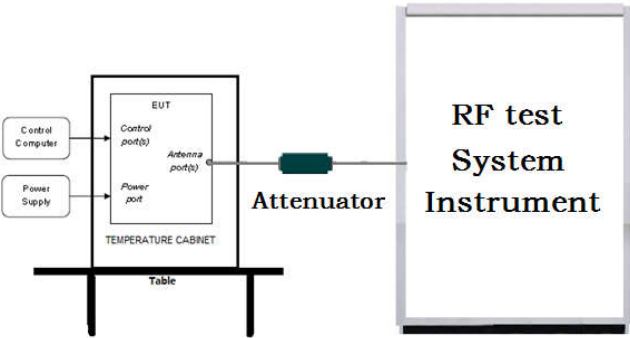


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|--------------|----------|---------|
| 1   |     | 0.1500       | 42.05                    | 9.87                    | 51.92                    | 66.00         | -14.08       | QP       |         |
| 2   |     | 0.1500       | 25.70                    | 9.87                    | 35.57                    | 56.00         | -20.43       | AVG      |         |
| 3   |     | 0.4290       | 29.91                    | 9.96                    | 39.87                    | 57.27         | -17.40       | QP       |         |
| 4   |     | 0.4290       | 21.59                    | 9.96                    | 31.55                    | 47.27         | -15.72       | AVG      |         |
| 5   |     | 0.6990       | 24.81                    | 9.88                    | 34.69                    | 56.00         | -21.31       | QP       |         |
| 6   | *   | 0.6990       | 22.52                    | 9.88                    | 32.40                    | 46.00         | -13.60       | AVG      |         |
| 7   |     | 2.0985       | 21.77                    | 9.79                    | 31.56                    | 56.00         | -24.44       | QP       |         |
| 8   |     | 2.0985       | 18.67                    | 9.79                    | 28.46                    | 46.00         | -17.54       | AVG      |         |
| 9   |     | 3.4935       | 22.07                    | 9.78                    | 31.85                    | 56.00         | -24.15       | QP       |         |
| 10  |     | 3.4935       | 17.34                    | 9.78                    | 27.12                    | 46.00         | -18.88       | AVG      |         |
| 11  |     | 4.8930       | 15.53                    | 9.78                    | 25.31                    | 46.00         | -20.69       | AVG      |         |
| 12  |     | 5.4689       | 21.27                    | 9.78                    | 31.05                    | 60.00         | -28.95       | QP       |         |

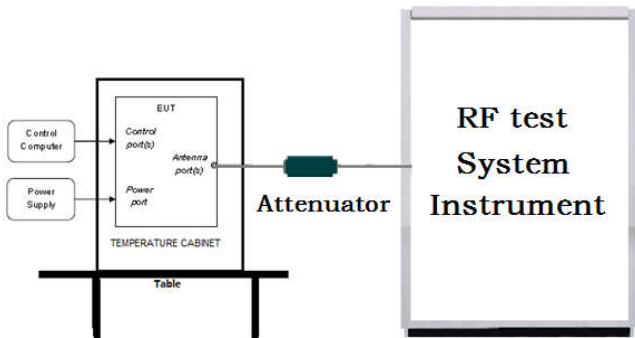
Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

## 7.2 Maximum Conducted Output Power

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | 47 CFR Part 15C Section 15.247 (b)(3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Test Method:      | ANSI C63.10 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Test Setup:       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Test Procedure:   | <p>1. PKPM1 Peak power meter measurement<br/>The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.</p> <p>2. Method AVGPM-G Average power measurement<br/>Method AVGPM-G is a measurement using a gated RF average power meter. Alternatively, measurements may be performed using a wideband gated RF power meter Provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.</p> |
| Limit:            | 30dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Test Mode:        | Refer to clause 5.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Test Results:     | Refer to Appendix A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

### 7.3 DTS Bandwidth

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | 47 CFR Part 15C Section 15.247 (a)(2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Test Method:      | ANSI C63.10 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Test Setup:       |  <p>Remark: Offset=Cable loss+ attenuation factor.</p>                                                                                                                                                                                                                                                                                                                                                                   |
| Test Procedure:   | <p>a) Set RBW = 100 kHz.</p> <p>b) Set the VBW <math>\geq [3 \times \text{RBW}]</math>.</p> <p>c) Detector = peak.</p> <p>d) Trace mode = max hold.</p> <p>e) Sweep = auto couple.</p> <p>f) Allow the trace to stabilize.</p> <p>g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.</p> |
| Limit:            | $\geq 500 \text{ kHz}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Test Mode:        | Refer to clause 5.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Test Results:     | Refer to Appendix A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## 7.4 Maximum Power Spectral Density

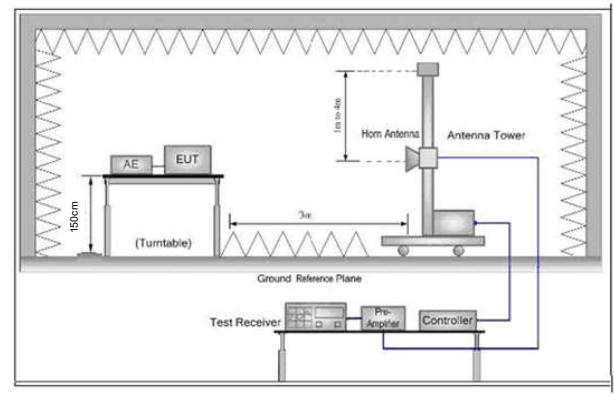
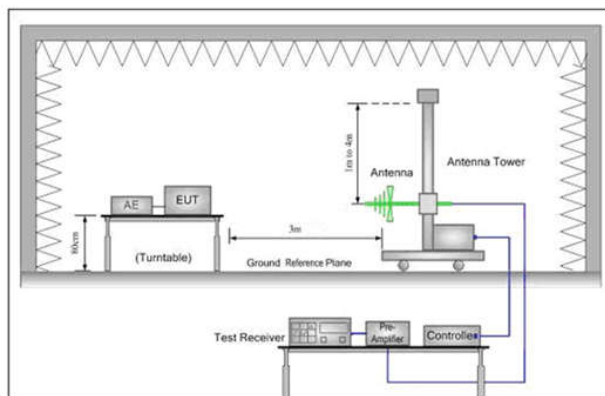
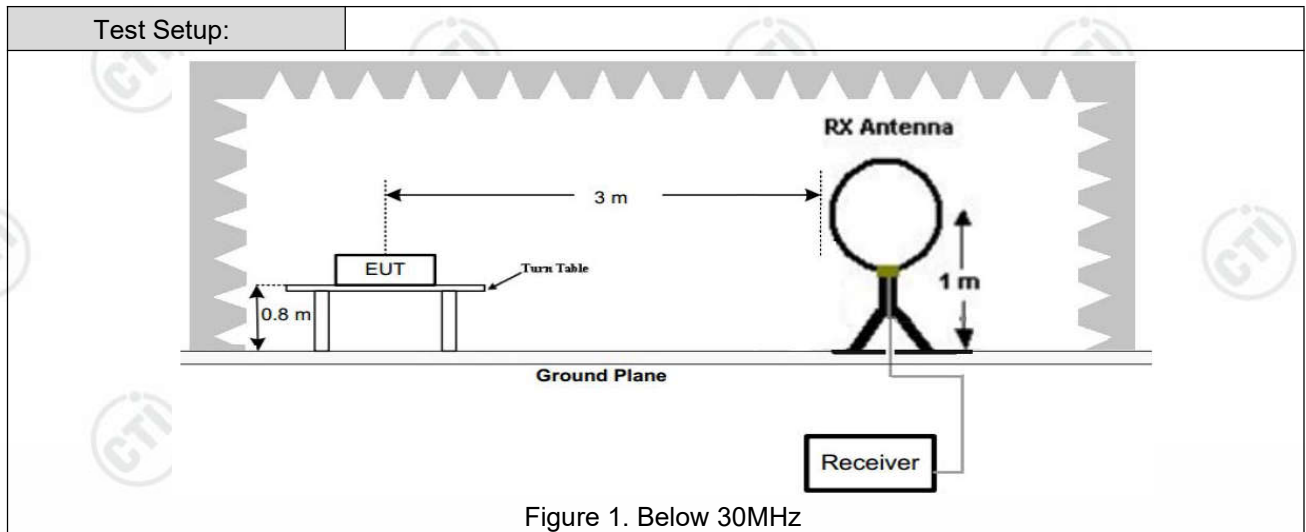
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | 47 CFR Part 15C Section 15.247 (e)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Test Method:      | ANSI C63.10 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Test Setup:       |  <p>Remark: Offset=Cable loss+ attenuation factor.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Test Procedure:   | <p>a) Set analyzer center frequency to DTS channel center frequency.</p> <p>b) Set the span to 1.5 times the DTS bandwidth.</p> <p>c) Set the RBW to <math>3 \text{ kHz} &lt; \text{RBW} &lt; 100 \text{ kHz}</math>.</p> <p>d) Set the VBW <math>&gt; [3 \times \text{RBW}]</math>.</p> <p>e) Detector = peak.</p> <p>f) Sweep time = auto couple.</p> <p>g) Trace mode = max hold.</p> <p>h) Allow trace to fully stabilize.</p> <p>i) Use the peak marker function to determine the maximum amplitude level within the RBW.</p> <p>j) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.</p> |
| Limit:            | $\leq 8.00 \text{ dBm}/3 \text{ kHz}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Test Mode:        | Refer to clause 5.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Test Results:     | Refer to Appendix A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## 7.5 Band Edge Measurements and Conducted Spurious Emission

|                   |                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | 47 CFR Part 15C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                      |
| Test Method:      | ANSI C63.10 2013                                                                                                                                                                                                                                                                                                                                                                        |
| Test Setup:       |  <p>Remark: Offset=Cable loss+ attenuation factor.</p>                                                                                                                                                                                                                                                |
| Test Procedure:   | <ul style="list-style-type: none"> <li>a) Set RBW = 100KHz.</li> <li>b) Set VBW = 300KHz.</li> <li>c) Sweep time = auto couple.</li> <li>d) Detector = peak.</li> <li>e) Trace mode = max hold.</li> <li>f) Allow trace to fully stabilize.</li> <li>g) Use peak marker function to determine the peak amplitude level.</li> </ul>                                                      |
| Limit:            | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is Produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. |
| Test Mode:        | Refer to clause 5.3                                                                                                                                                                                                                                                                                                                                                                     |
| Test Results:     | Refer to Appendix A                                                                                                                                                                                                                                                                                                                                                                     |

## 7.6 Radiated Spurious Emission & Restricted bands

|                                                                                                                                                                                                                                                                             |                                                  |                                     |                   |            |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------|-------------------|------------|-----------------------------|
| Test Requirement:                                                                                                                                                                                                                                                           | 47 CFR Part 15C Section 15.209 and 15.205        |                                     |                   |            |                             |
| Test Method:                                                                                                                                                                                                                                                                | ANSI C63.10 2013                                 |                                     |                   |            |                             |
| Test Site:                                                                                                                                                                                                                                                                  | Measurement Distance: 3m (Semi-Anechoic Chamber) |                                     |                   |            |                             |
| Receiver Setup:                                                                                                                                                                                                                                                             | Frequency                                        | Detector                            | RBW               | VBW        | Remark                      |
|                                                                                                                                                                                                                                                                             | 0.009MHz-0.090MHz                                | Peak                                | 10kHz             | 30kHz      | Peak                        |
|                                                                                                                                                                                                                                                                             | 0.009MHz-0.090MHz                                | Average                             | 10kHz             | 30kHz      | Average                     |
|                                                                                                                                                                                                                                                                             | 0.090MHz-0.110MHz                                | Quasi-peak                          | 10kHz             | 30kHz      | Quasi-peak                  |
|                                                                                                                                                                                                                                                                             | 0.110MHz-0.490MHz                                | Peak                                | 10kHz             | 30kHz      | Peak                        |
|                                                                                                                                                                                                                                                                             | 0.110MHz-0.490MHz                                | Average                             | 10kHz             | 30kHz      | Average                     |
|                                                                                                                                                                                                                                                                             | 0.490MHz -30MHz                                  | Quasi-peak                          | 10kHz             | 30kHz      | Quasi-peak                  |
|                                                                                                                                                                                                                                                                             | 30MHz-1GHz                                       | Quasi-peak                          | 100 kHz           | 300kHz     | Quasi-peak                  |
|                                                                                                                                                                                                                                                                             | Above 1GHz                                       | Peak                                | 1MHz              | 3MHz       | Peak                        |
|                                                                                                                                                                                                                                                                             |                                                  | Peak                                | 1MHz              | 10kHz      | Average                     |
| Limit:                                                                                                                                                                                                                                                                      | Frequency                                        | Field strength<br>(microvolt/meter) | Limit<br>(dBuV/m) | Remark     | Measurement<br>distance (m) |
|                                                                                                                                                                                                                                                                             | 0.009MHz-0.490MHz                                | 2400/F(kHz)                         | -                 | -          | 300                         |
|                                                                                                                                                                                                                                                                             | 0.490MHz-1.705MHz                                | 24000/F(kHz)                        | -                 | -          | 30                          |
|                                                                                                                                                                                                                                                                             | 1.705MHz-30MHz                                   | 30                                  | -                 | -          | 30                          |
|                                                                                                                                                                                                                                                                             | 30MHz-88MHz                                      | 100                                 | 40.0              | Quasi-peak | 3                           |
|                                                                                                                                                                                                                                                                             | 88MHz-216MHz                                     | 150                                 | 43.5              | Quasi-peak | 3                           |
|                                                                                                                                                                                                                                                                             | 216MHz-960MHz                                    | 200                                 | 46.0              | Quasi-peak | 3                           |
|                                                                                                                                                                                                                                                                             | 960MHz-1GHz                                      | 500                                 | 54.0              | Quasi-peak | 3                           |
|                                                                                                                                                                                                                                                                             | Above 1GHz                                       | 500                                 | 54.0              | Average    | 3                           |
| Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device. |                                                  |                                     |                   |            |                             |



## Test Procedure:

- 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
  - 2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- Note: For the radiated emission test above 1GHz:
- Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
  - The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both

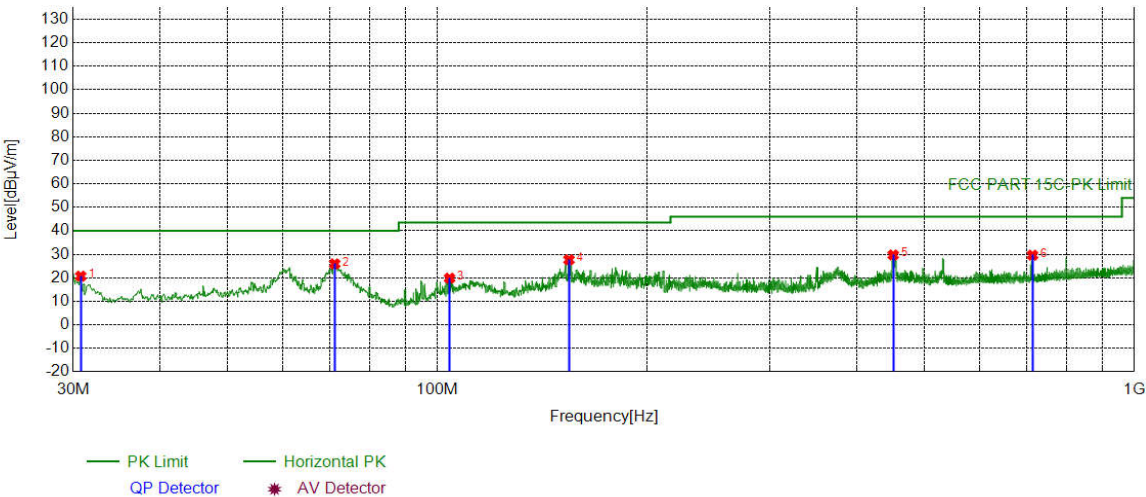
|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               | <p>horizontal and vertical polarizations of the antenna are set to make the measurement.</p> <p>d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</p> <p>g. Test the EUT in the lowest channel (2402MHz),the middle channel (2440MHz),the Highest channel (2480MHz)</p> <p>h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.</p> <p>i. Repeat above Procedures until all frequencies measured was complete.</p> |
| Test Mode:    | Refer to clause 5.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Test Results: | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

Radiated Spurious Emission below 1GHz:

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes, only the worst case lowest channel of 1Mbps for 802.11b was recorded in the report.

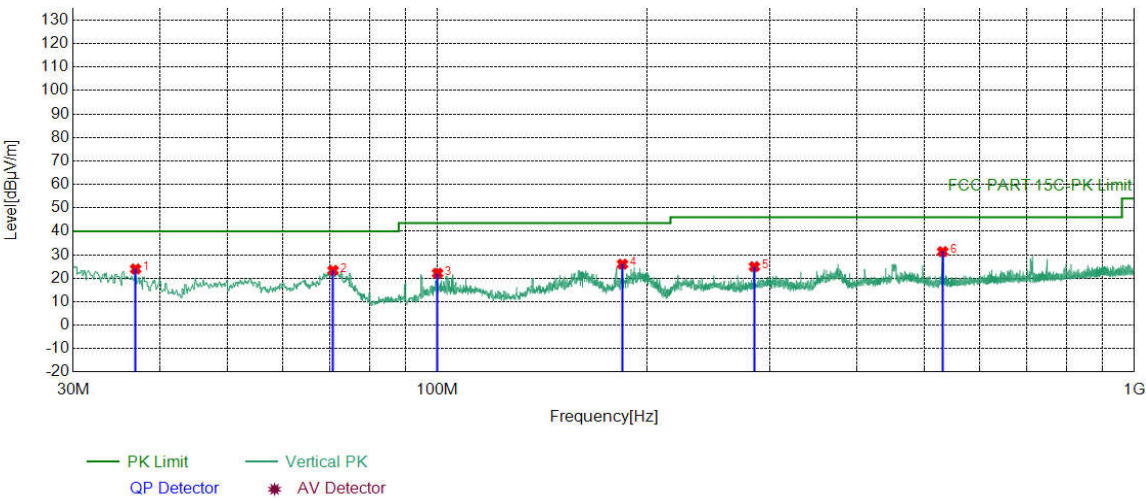
Ant1:

Test Graph



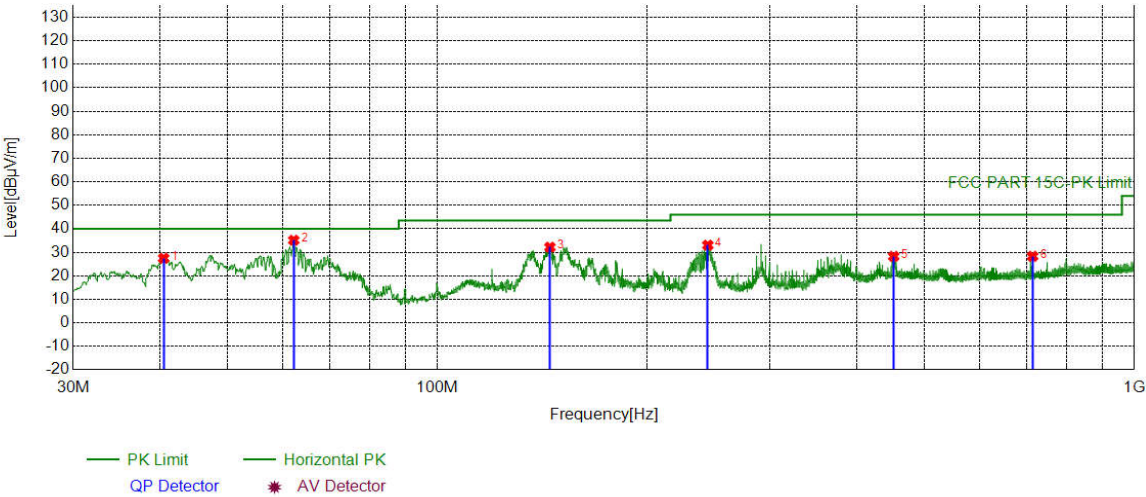
| Suspected List |             |             |                |                |                |             |        |            |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|------------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   | Remark |
| 1              | 30.7761     | -19.75      | 40.47          | 20.72          | 40.00          | 19.28       | PASS   | Horizontal | PK     |
| 2              | 71.2291     | -21.02      | 46.97          | 25.95          | 40.00          | 14.05       | PASS   | Horizontal | PK     |
| 3              | 104.1154    | -18.39      | 38.24          | 19.85          | 43.50          | 23.65       | PASS   | Horizontal | PK     |
| 4              | 154.4634    | -21.42      | 49.10          | 27.68          | 43.50          | 15.82       | PASS   | Horizontal | PK     |
| 5              | 450.9251    | -11.71      | 41.43          | 29.72          | 46.00          | 16.28       | PASS   | Horizontal | PK     |
| 6              | 714.5975    | -7.54       | 37.17          | 29.63          | 46.00          | 16.37       | PASS   | Horizontal | PK     |

Test Graph



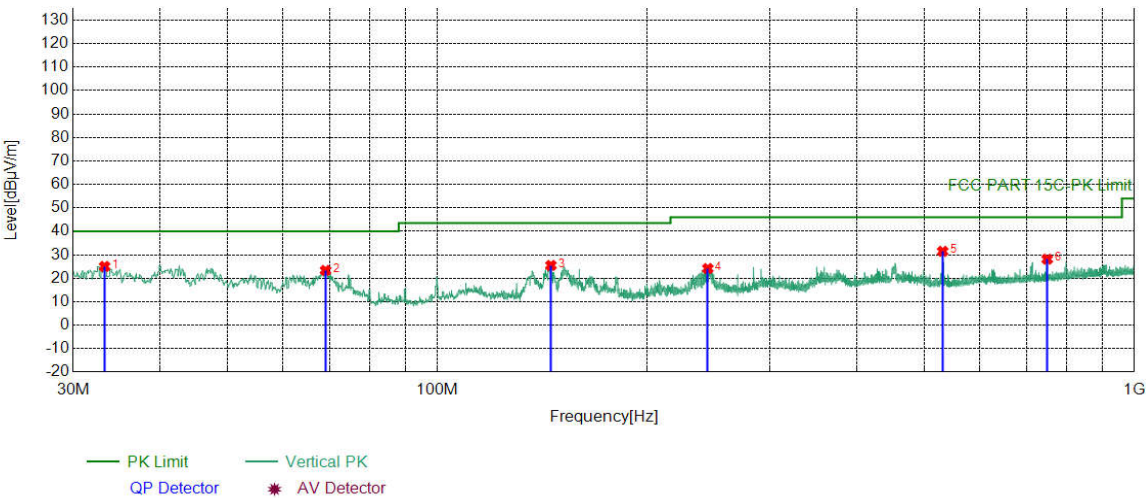
| Suspected List |             |             |                |                |                |             |        |          |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1              | 36.8877     | -19.01      | 42.96          | 23.95          | 40.00          | 16.05       | PASS   | Vertical | PK     |
| 2              | 70.8411     | -20.95      | 44.29          | 23.34          | 40.00          | 16.66       | PASS   | Vertical | PK     |
| 3              | 100.0410    | -18.40      | 40.53          | 22.13          | 43.50          | 21.37       | PASS   | Vertical | PK     |
| 4              | 184.3424    | -19.36      | 45.37          | 26.01          | 43.50          | 17.49       | PASS   | Vertical | PK     |
| 5              | 285.0385    | -15.83      | 40.77          | 24.94          | 46.00          | 21.06       | PASS   | Vertical | PK     |
| 6              | 531.0551    | -10.23      | 41.59          | 31.36          | 46.00          | 14.64       | PASS   | Vertical | PK     |

Ant2:  
Test Graph



| Suspected List |             |             |                |                |                |             |        |            |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|------------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   | Remark |
| 1              | 40.4770     | -17.95      | 45.41          | 27.46          | 40.00          | 12.54       | PASS   | Horizontal | PK     |
| 2              | 62.2072     | -19.00      | 54.15          | 35.15          | 40.00          | 4.85        | PASS   | Horizontal | PK     |
| 3              | 145.0535    | -21.83      | 54.01          | 32.18          | 43.50          | 11.32       | PASS   | Horizontal | PK     |
| 4              | 244.3914    | -16.68      | 49.71          | 33.03          | 46.00          | 12.97       | PASS   | Horizontal | PK     |
| 5              | 451.7012    | -11.70      | 39.96          | 28.26          | 46.00          | 17.74       | PASS   | Horizontal | PK     |
| 6              | 714.7915    | -7.53       | 35.83          | 28.30          | 46.00          | 17.70       | PASS   | Horizontal | PK     |

Test Graph



| Suspected List |             |             |                |                |                |             |        |          |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1              | 33.2983     | -19.66      | 44.69          | 25.03          | 40.00          | 14.97       | PASS   | Vertical | PK     |
| 2              | 69.0949     | -20.59      | 43.93          | 23.34          | 40.00          | 16.66       | PASS   | Vertical | PK     |
| 3              | 145.5386    | -21.81      | 47.28          | 25.47          | 43.50          | 18.03       | PASS   | Vertical | PK     |
| 4              | 244.3914    | -16.68      | 40.84          | 24.16          | 46.00          | 21.84       | PASS   | Vertical | PK     |
| 5              | 531.0551    | -10.23      | 41.70          | 31.47          | 46.00          | 14.53       | PASS   | Vertical | PK     |
| 6              | 750.1030    | -7.00       | 35.13          | 28.13          | 46.00          | 17.87       | PASS   | Vertical | PK     |

**Radiated Spurious Emission above 1GHz:**

Ant1:

| Mode: |             |             | 802.11 b Transmitting |                |                |             | Channel: |          | 2412 MHz |
|-------|-------------|-------------|-----------------------|----------------|----------------|-------------|----------|----------|----------|
| NO    | Freq. [MHz] | Factor [dB] | Reading [dBμV]        | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result   | Polarity | Remark   |
| 1     | 1232.0232   | 0.88        | 42.30                 | 43.18          | 74.00          | 30.82       | Pass     | H        | PK       |
| 2     | 2129.9130   | 4.55        | 49.10                 | 53.65          | 74.00          | 20.35       | Pass     | H        | PK       |
| 3     | 4262.0841   | -17.53      | 57.28                 | 39.75          | 74.00          | 34.25       | Pass     | H        | PK       |
| 4     | 6338.2225   | -12.90      | 53.62                 | 40.72          | 74.00          | 33.28       | Pass     | H        | PK       |
| 5     | 9225.4150   | -7.90       | 51.43                 | 43.53          | 74.00          | 30.47       | Pass     | H        | PK       |
| 6     | 12562.6375  | -4.38       | 50.85                 | 46.47          | 74.00          | 27.53       | Pass     | H        | PK       |
| 7     | 1414.8415   | 1.40        | 41.76                 | 43.16          | 74.00          | 30.84       | Pass     | V        | PK       |
| 8     | 2132.1132   | 4.53        | 48.08                 | 52.61          | 74.00          | 21.39       | Pass     | V        | PK       |
| 9     | 4254.0836   | -17.59      | 67.62                 | 50.03          | 74.00          | 23.97       | Pass     | V        | PK       |
| 10    | 5743.1829   | -13.77      | 53.54                 | 39.77          | 74.00          | 34.23       | Pass     | V        | PK       |
| 11    | 8506.3671   | -10.54      | 55.46                 | 44.92          | 74.00          | 29.08       | Pass     | V        | PK       |
| 12    | 13720.7147  | -1.74       | 50.64                 | 48.90          | 74.00          | 25.10       | Pass     | V        | PK       |

| Mode: |             |             | 802.11 b Transmitting |                |                |             | Channel: |          | 2437 MHz |
|-------|-------------|-------------|-----------------------|----------------|----------------|-------------|----------|----------|----------|
| NO    | Freq. [MHz] | Factor [dB] | Reading [dBμV]        | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result   | Polarity | Remark   |
| 1     | 1062.0062   | 0.89        | 43.94                 | 44.83          | 74.00          | 29.17       | Pass     | H        | PK       |
| 2     | 2133.3133   | 4.52        | 49.03                 | 53.55          | 74.00          | 20.45       | Pass     | H        | PK       |
| 3     | 3199.0133   | -20.35      | 60.09                 | 39.74          | 74.00          | 34.26       | Pass     | H        | PK       |
| 4     | 5712.1808   | -13.88      | 54.55                 | 40.67          | 74.00          | 33.33       | Pass     | H        | PK       |
| 5     | 9231.4154   | -7.90       | 51.22                 | 43.32          | 74.00          | 30.68       | Pass     | H        | PK       |
| 6     | 14389.7593  | 1.05        | 48.81                 | 49.86          | 74.00          | 24.14       | Pass     | H        | PK       |
| 7     | 1308.4308   | 1.09        | 42.07                 | 43.16          | 74.00          | 30.84       | Pass     | V        | PK       |
| 8     | 2124.5125   | 4.61        | 47.52                 | 52.13          | 74.00          | 21.87       | Pass     | V        | PK       |
| 9     | 4262.0841   | -17.53      | 63.78                 | 46.25          | 74.00          | 27.75       | Pass     | V        | PK       |
| 10    | 6375.2250   | -12.87      | 55.06                 | 42.19          | 74.00          | 31.81       | Pass     | V        | PK       |
| 11    | 9313.4209   | -7.96       | 52.02                 | 44.06          | 74.00          | 29.94       | Pass     | V        | PK       |
| 12    | 13797.7198  | -1.63       | 50.11                 | 48.48          | 74.00          | 25.52       | Pass     | V        | PK       |

| Mode: |             |             | 802.11 b Transmitting |                |                |             | Channel: |          | 2462 MHz |
|-------|-------------|-------------|-----------------------|----------------|----------------|-------------|----------|----------|----------|
| NO    | Freq. [MHz] | Factor [dB] | Reading [dBμV]        | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result   | Polarity | Remark   |
| 1     | 1162.0162   | 0.82        | 42.74                 | 43.56          | 74.00          | 30.44       | Pass     | H        | PK       |
| 2     | 2133.1133   | 4.52        | 48.32                 | 52.84          | 74.00          | 21.16       | Pass     | H        | PK       |
| 3     | 4251.0834   | -17.62      | 58.09                 | 40.47          | 74.00          | 33.53       | Pass     | H        | PK       |
| 4     | 7368.2912   | -11.57      | 52.76                 | 41.19          | 74.00          | 32.81       | Pass     | H        | PK       |
| 5     | 11153.5436  | -6.32       | 50.94                 | 44.62          | 74.00          | 29.38       | Pass     | H        | PK       |
| 6     | 14390.7594  | 1.07        | 48.18                 | 49.25          | 74.00          | 24.75       | Pass     | H        | PK       |
| 7     | 1222.4222   | 0.86        | 42.22                 | 43.08          | 74.00          | 30.92       | Pass     | V        | PK       |
| 8     | 2125.1125   | 4.61        | 47.06                 | 51.67          | 74.00          | 22.33       | Pass     | V        | PK       |
| 9     | 4251.0834   | -17.62      | 62.38                 | 44.76          | 74.00          | 29.24       | Pass     | V        | PK       |
| 10    | 6373.2249   | -12.88      | 53.94                 | 41.06          | 74.00          | 32.94       | Pass     | V        | PK       |
| 11    | 8506.3671   | -10.54      | 54.32                 | 43.78          | 74.00          | 30.22       | Pass     | V        | PK       |
| 12    | 12386.6258  | -4.83       | 51.45                 | 46.62          | 74.00          | 27.38       | Pass     | V        | PK       |

| Mode: |             |             | 802.11 n(HT40) Transmitting |                |                |             | Channel: |          | 2422 MHz |
|-------|-------------|-------------|-----------------------------|----------------|----------------|-------------|----------|----------|----------|
| NO    | Freq. [MHz] | Factor [dB] | Reading [dBμV]              | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result   | Polarity | Remark   |
| 1     | 1062.6063   | 0.89        | 43.59                       | 44.48          | 74.00          | 29.52       | Pass     | H        | PK       |
| 2     | 2128.3128   | 4.57        | 48.97                       | 53.54          | 74.00          | 20.46       | Pass     | H        | PK       |
| 3     | 4261.0841   | -17.54      | 57.74                       | 40.20          | 74.00          | 33.80       | Pass     | H        | PK       |
| 4     | 7671.3114   | -11.09      | 53.15                       | 42.06          | 74.00          | 31.94       | Pass     | H        | PK       |
| 5     | 10413.4942  | -6.31       | 50.92                       | 44.61          | 74.00          | 29.39       | Pass     | H        | PK       |
| 6     | 14385.7591  | 0.98        | 47.74                       | 48.72          | 74.00          | 25.28       | Pass     | H        | PK       |
| 7     | 1146.4146   | 0.83        | 42.90                       | 43.73          | 74.00          | 30.27       | Pass     | V        | PK       |
| 8     | 2124.7125   | 4.61        | 45.78                       | 50.39          | 74.00          | 23.61       | Pass     | V        | PK       |
| 9     | 4250.0833   | -17.62      | 67.81                       | 50.19          | 74.00          | 23.81       | Pass     | V        | PK       |
| 10    | 6396.2264   | -12.86      | 53.45                       | 40.59          | 74.00          | 33.41       | Pass     | V        | PK       |
| 11    | 8493.3662   | -10.58      | 55.19                       | 44.61          | 74.00          | 29.39       | Pass     | V        | PK       |
| 12    | 14377.7585  | 0.85        | 48.07                       | 48.92          | 74.00          | 25.08       | Pass     | V        | PK       |

| Mode: |             |             | 802.11 n(HT40) Transmitting |                |                |             | Channel: |          | 2437 MHz |
|-------|-------------|-------------|-----------------------------|----------------|----------------|-------------|----------|----------|----------|
| NO    | Freq. [MHz] | Factor [dB] | Reading [dBμV]              | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result   | Polarity | Remark   |
| 1     | 1064.8065   | 0.89        | 43.16                       | 44.05          | 74.00          | 29.95       | Pass     | H        | PK       |
| 2     | 2125.3125   | 4.60        | 48.52                       | 53.12          | 74.00          | 20.88       | Pass     | H        | PK       |
| 3     | 4234.0823   | -17.75      | 55.61                       | 37.86          | 74.00          | 36.14       | Pass     | H        | PK       |
| 4     | 6391.2261   | -12.87      | 56.52                       | 43.65          | 74.00          | 30.35       | Pass     | H        | PK       |
| 5     | 9265.4177   | -7.93       | 51.50                       | 43.57          | 74.00          | 30.43       | Pass     | H        | PK       |
| 6     | 13236.6824  | -3.24       | 50.22                       | 46.98          | 74.00          | 27.02       | Pass     | H        | PK       |
| 7     | 1065.6066   | 0.88        | 44.16                       | 45.04          | 74.00          | 28.96       | Pass     | V        | PK       |
| 8     | 2126.9127   | 4.59        | 45.57                       | 50.16          | 74.00          | 23.84       | Pass     | V        | PK       |
| 9     | 4262.0841   | -17.53      | 65.68                       | 48.15          | 74.00          | 25.85       | Pass     | V        | PK       |
| 10    | 6366.2244   | -12.88      | 53.52                       | 40.64          | 74.00          | 33.36       | Pass     | V        | PK       |
| 11    | 8510.3674   | -10.53      | 57.48                       | 46.95          | 74.00          | 27.05       | Pass     | V        | PK       |
| 12    | 14387.7592  | 1.02        | 47.57                       | 48.59          | 74.00          | 25.41       | Pass     | V        | PK       |

| Mode: |             |             | 802.11 n(HT40) Transmitting |                |                |             | Channel: |          | 2452 MHz |
|-------|-------------|-------------|-----------------------------|----------------|----------------|-------------|----------|----------|----------|
| NO    | Freq. [MHz] | Factor [dB] | Reading [dBμV]              | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result   | Polarity | Remark   |
| 1     | 1065.4065   | 0.88        | 42.88                       | 43.76          | 74.00          | 30.24       | Pass     | H        | PK       |
| 2     | 2123.5124   | 4.62        | 47.83                       | 52.45          | 74.00          | 21.55       | Pass     | H        | PK       |
| 3     | 4251.0834   | -17.62      | 58.06                       | 40.44          | 74.00          | 33.56       | Pass     | H        | PK       |
| 4     | 6538.2359   | -12.74      | 53.57                       | 40.83          | 74.00          | 33.17       | Pass     | H        | PK       |
| 5     | 9822.4548   | -7.31       | 51.07                       | 43.76          | 74.00          | 30.24       | Pass     | H        | PK       |
| 6     | 14406.7605  | 1.12        | 48.57                       | 49.69          | 74.00          | 24.31       | Pass     | H        | PK       |
| 7     | 1065.0065   | 0.88        | 44.52                       | 45.40          | 74.00          | 28.60       | Pass     | V        | PK       |
| 8     | 2123.5124   | 4.62        | 45.86                       | 50.48          | 74.00          | 23.52       | Pass     | V        | PK       |
| 9     | 4260.0840   | -17.55      | 65.09                       | 47.54          | 74.00          | 26.46       | Pass     | V        | PK       |
| 10    | 6643.2429   | -12.68      | 53.30                       | 40.62          | 74.00          | 33.38       | Pass     | V        | PK       |
| 11    | 8516.3678   | -10.52      | 54.68                       | 44.16          | 74.00          | 29.84       | Pass     | V        | PK       |
| 12    | 14333.7556  | 0.12        | 49.35                       | 49.47          | 74.00          | 24.53       | Pass     | V        | PK       |

Ant2:

| Mode: |             |             | 802.11 b Transmitting |                |                |             | Channel: |          | 2412 MHz |
|-------|-------------|-------------|-----------------------|----------------|----------------|-------------|----------|----------|----------|
| NO    | Freq. [MHz] | Factor [dB] | Reading [dBμV]        | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result   | Polarity | Remark   |
| 1     | 1193.0193   | 0.80        | 42.21                 | 43.01          | 74.00          | 30.99       | Pass     | H        | PK       |
| 2     | 2130.9131   | 4.54        | 47.75                 | 52.29          | 74.00          | 21.71       | Pass     | H        | PK       |
| 3     | 3200.0133   | -20.35      | 60.07                 | 39.72          | 74.00          | 34.28       | Pass     | H        | PK       |
| 4     | 4254.0836   | -17.59      | 59.10                 | 41.51          | 74.00          | 32.49       | Pass     | H        | PK       |
| 5     | 7799.3200   | -11.38      | 53.92                 | 42.54          | 74.00          | 31.46       | Pass     | H        | PK       |
| 6     | 14371.7581  | 0.75        | 48.65                 | 49.40          | 74.00          | 24.60       | Pass     | H        | PK       |
| 7     | 1065.4065   | 0.88        | 43.56                 | 44.44          | 74.00          | 29.56       | Pass     | V        | PK       |
| 8     | 2125.7126   | 4.60        | 45.54                 | 50.14          | 74.00          | 23.86       | Pass     | V        | PK       |
| 9     | 3189.0126   | -20.38      | 61.63                 | 41.25          | 74.00          | 32.75       | Pass     | V        | PK       |
| 10    | 4266.0844   | -17.50      | 64.52                 | 47.02          | 74.00          | 26.98       | Pass     | V        | PK       |
| 11    | 8533.3689   | -10.48      | 54.11                 | 43.63          | 74.00          | 30.37       | Pass     | V        | PK       |
| 12    | 13806.7204  | -1.65       | 50.54                 | 48.89          | 74.00          | 25.11       | Pass     | V        | PK       |

| Mode: |             |             | 802.11 b Transmitting |                |                |             | Channel: |          | 2437 MHz |
|-------|-------------|-------------|-----------------------|----------------|----------------|-------------|----------|----------|----------|
| NO    | Freq. [MHz] | Factor [dB] | Reading [dBμV]        | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result   | Polarity | Remark   |
| 1     | 1142.2142   | 0.83        | 42.36                 | 43.19          | 74.00          | 30.81       | Pass     | H        | PK       |
| 2     | 2129.5130   | 4.56        | 49.45                 | 54.01          | 74.00          | 19.99       | Pass     | H        | PK       |
| 3     | 4248.0832   | -17.64      | 59.63                 | 41.99          | 74.00          | 32.01       | Pass     | H        | PK       |
| 4     | 7349.2900   | -11.60      | 52.37                 | 40.77          | 74.00          | 33.23       | Pass     | H        | PK       |
| 5     | 10279.4853  | -6.60       | 51.23                 | 44.63          | 74.00          | 29.37       | Pass     | H        | PK       |
| 6     | 14762.7842  | 0.71        | 47.50                 | 48.21          | 74.00          | 25.79       | Pass     | H        | PK       |
| 7     | 1119.4119   | 0.84        | 42.91                 | 43.75          | 74.00          | 30.25       | Pass     | V        | PK       |
| 8     | 2128.9129   | 4.56        | 47.74                 | 52.30          | 74.00          | 21.70       | Pass     | V        | PK       |
| 9     | 3191.0127   | -20.37      | 61.43                 | 41.06          | 74.00          | 32.94       | Pass     | V        | PK       |
| 10    | 4265.0843   | -17.51      | 64.20                 | 46.69          | 74.00          | 27.31       | Pass     | V        | PK       |
| 11    | 8528.3686   | -10.49      | 56.03                 | 45.54          | 74.00          | 28.46       | Pass     | V        | PK       |
| 12    | 13749.7166  | -1.70       | 50.12                 | 48.42          | 74.00          | 25.58       | Pass     | V        | PK       |

| Mode: |             |             | 802.11 b Transmitting |                |                |             | Channel: |          | 2462 MHz |
|-------|-------------|-------------|-----------------------|----------------|----------------|-------------|----------|----------|----------|
| NO    | Freq. [MHz] | Factor [dB] | Reading [dBμV]        | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result   | Polarity | Remark   |
| 1     | 1066.4066   | 0.88        | 42.65                 | 43.53          | 74.00          | 30.47       | Pass     | H        | PK       |
| 2     | 2133.5134   | 4.51        | 49.96                 | 54.47          | 74.00          | 19.53       | Pass     | H        | PK       |
| 3     | 4249.0833   | -17.63      | 59.88                 | 42.25          | 74.00          | 31.75       | Pass     | H        | PK       |
| 4     | 6656.2438   | -12.63      | 53.64                 | 41.01          | 74.00          | 32.99       | Pass     | H        | PK       |
| 5     | 9882.4588   | -7.12       | 50.79                 | 43.67          | 74.00          | 30.33       | Pass     | H        | PK       |
| 6     | 14393.7596  | 1.12        | 48.18                 | 49.30          | 74.00          | 24.70       | Pass     | H        | PK       |
| 7     | 1102.8103   | 0.85        | 43.03                 | 43.88          | 74.00          | 30.12       | Pass     | V        | PK       |
| 8     | 2128.9129   | 4.56        | 44.55                 | 49.11          | 74.00          | 24.89       | Pass     | V        | PK       |
| 9     | 3192.0128   | -20.37      | 60.91                 | 40.54          | 74.00          | 33.46       | Pass     | V        | PK       |
| 10    | 4255.0837   | -17.58      | 64.21                 | 46.63          | 74.00          | 27.37       | Pass     | V        | PK       |
| 11    | 8525.3684   | -10.50      | 57.24                 | 46.74          | 74.00          | 27.26       | Pass     | V        | PK       |
| 12    | 14335.7557  | 0.15        | 49.57                 | 49.72          | 74.00          | 24.28       | Pass     | V        | PK       |

| Mode: |             |             | 802.11 n(HT40) Transmitting |                |                |             | Channel: |          | 2422 MHz |
|-------|-------------|-------------|-----------------------------|----------------|----------------|-------------|----------|----------|----------|
| NO    | Freq. [MHz] | Factor [dB] | Reading [dBμV]              | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result   | Polarity | Remark   |
| 1     | 1065.2065   | 0.88        | 44.02                       | 44.90          | 74.00          | 29.10       | Pass     | H        | PK       |
| 2     | 2131.9132   | 4.53        | 49.53                       | 54.06          | 74.00          | 19.94       | Pass     | H        | PK       |
| 3     | 3186.0124   | -20.39      | 60.13                       | 39.74          | 74.00          | 34.26       | Pass     | H        | PK       |
| 4     | 4261.0841   | -17.54      | 64.61                       | 47.07          | 74.00          | 26.93       | Pass     | H        | PK       |
| 5     | 9687.4458   | -7.66       | 52.66                       | 45.00          | 74.00          | 29.00       | Pass     | H        | PK       |
| 6     | 14378.7586  | 0.87        | 49.22                       | 50.09          | 74.00          | 23.91       | Pass     | H        | PK       |
| 7     | 1147.6148   | 0.83        | 42.52                       | 43.35          | 74.00          | 30.65       | Pass     | V        | PK       |
| 8     | 2130.5131   | 4.55        | 46.28                       | 50.83          | 74.00          | 23.17       | Pass     | V        | PK       |
| 9     | 3186.0124   | -20.39      | 62.44                       | 42.05          | 74.00          | 31.95       | Pass     | V        | PK       |
| 10    | 4260.0840   | -17.55      | 65.28                       | 47.73          | 74.00          | 26.27       | Pass     | V        | PK       |
| 11    | 7742.3162   | -11.18      | 52.68                       | 41.50          | 74.00          | 32.50       | Pass     | V        | PK       |
| 12    | 13741.7161  | -1.71       | 49.94                       | 48.23          | 74.00          | 25.77       | Pass     | V        | PK       |

| Mode: |             |             | 802.11 n(HT40) Transmitting |                |                |             | Channel: |          | 2437 MHz |
|-------|-------------|-------------|-----------------------------|----------------|----------------|-------------|----------|----------|----------|
| NO    | Freq. [MHz] | Factor [dB] | Reading [dBμV]              | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result   | Polarity | Remark   |
| 1     | 1165.8166   | 0.82        | 42.65                       | 43.47          | 74.00          | 30.53       | Pass     | H        | PK       |
| 2     | 2128.1128   | 4.57        | 51.33                       | 55.90          | 74.00          | 18.10       | Pass     | H        | PK       |
| 3     | 4260.0840   | -17.55      | 58.36                       | 40.81          | 74.00          | 33.19       | Pass     | H        | PK       |
| 4     | 7178.2786   | -11.78      | 53.09                       | 41.31          | 74.00          | 32.69       | Pass     | H        | PK       |
| 5     | 10285.4857  | -6.56       | 50.79                       | 44.23          | 74.00          | 29.77       | Pass     | H        | PK       |
| 6     | 14367.7579  | 0.68        | 48.18                       | 48.86          | 74.00          | 25.14       | Pass     | H        | PK       |
| 7     | 1248.6249   | 0.93        | 41.70                       | 42.63          | 74.00          | 31.37       | Pass     | V        | PK       |
| 8     | 2132.1132   | 4.53        | 46.96                       | 51.49          | 74.00          | 22.51       | Pass     | V        | PK       |
| 9     | 4255.0837   | -17.58      | 63.66                       | 46.08          | 74.00          | 27.92       | Pass     | V        | PK       |
| 10    | 6643.2429   | -12.68      | 56.02                       | 43.34          | 74.00          | 30.66       | Pass     | V        | PK       |
| 11    | 8516.3678   | -10.52      | 58.76                       | 48.24          | 74.00          | 25.76       | Pass     | V        | PK       |
| 12    | 13722.7148  | -1.74       | 50.20                       | 48.46          | 74.00          | 25.54       | Pass     | V        | PK       |

| Mode: |             |             | 802.11 n(HT40) Transmitting |                |                |             | Channel: |          | 2452 MHz |
|-------|-------------|-------------|-----------------------------|----------------|----------------|-------------|----------|----------|----------|
| NO    | Freq. [MHz] | Factor [dB] | Reading [dBμV]              | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result   | Polarity | Remark   |
| 1     | 1250.8251   | 0.93        | 42.03                       | 42.96          | 74.00          | 31.04       | Pass     | H        | PK       |
| 2     | 2123.3123   | 4.63        | 46.69                       | 51.32          | 74.00          | 22.68       | Pass     | H        | PK       |
| 3     | 4254.0836   | -17.59      | 58.43                       | 40.84          | 74.00          | 33.16       | Pass     | H        | PK       |
| 4     | 6778.2519   | -12.43      | 53.34                       | 40.91          | 74.00          | 33.09       | Pass     | H        | PK       |
| 5     | 9808.4539   | -7.35       | 51.77                       | 44.42          | 74.00          | 29.58       | Pass     | H        | PK       |
| 6     | 13757.7172  | -1.69       | 49.94                       | 48.25          | 74.00          | 25.75       | Pass     | H        | PK       |
| 7     | 1062.0062   | 0.89        | 43.41                       | 44.30          | 74.00          | 29.70       | Pass     | V        | PK       |
| 8     | 2124.5125   | 4.61        | 45.27                       | 49.88          | 74.00          | 24.12       | Pass     | V        | PK       |
| 9     | 3199.0133   | -20.35      | 62.06                       | 41.71          | 74.00          | 32.29       | Pass     | V        | PK       |
| 10    | 4262.0841   | -17.53      | 66.94                       | 49.41          | 74.00          | 24.59       | Pass     | V        | PK       |
| 11    | 8508.3672   | -10.53      | 54.68                       | 44.15          | 74.00          | 29.85       | Pass     | V        | PK       |
| 12    | 14376.7585  | 0.83        | 48.52                       | 49.35          | 74.00          | 24.65       | Pass     | V        | PK       |

MIMO:

| Mode: |             |             | 802.11 n(HT20) Transmitting |                |                |             | Channel: |          | 2412 MHz |
|-------|-------------|-------------|-----------------------------|----------------|----------------|-------------|----------|----------|----------|
| NO    | Freq. [MHz] | Factor [dB] | Reading [dBμV]              | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result   | Polarity | Remark   |
| 1     | 1064.4064   | 0.89        | 44.05                       | 44.94          | 74.00          | 29.06       | Pass     | H        | PK       |
| 2     | 2131.9132   | 4.53        | 48.46                       | 52.99          | 74.00          | 21.01       | Pass     | H        | PK       |
| 3     | 4264.0843   | -17.51      | 57.66                       | 40.15          | 74.00          | 33.85       | Pass     | H        | PK       |
| 4     | 7703.3136   | -11.05      | 52.60                       | 41.55          | 74.00          | 32.45       | Pass     | H        | PK       |
| 5     | 11305.5537  | -6.60       | 51.50                       | 44.90          | 74.00          | 29.10       | Pass     | H        | PK       |
| 6     | 14396.7598  | 1.17        | 47.34                       | 48.51          | 74.00          | 25.49       | Pass     | H        | PK       |
| 7     | 1062.2062   | 0.89        | 43.56                       | 44.45          | 74.00          | 29.55       | Pass     | V        | PK       |
| 8     | 2125.1125   | 4.61        | 44.40                       | 49.01          | 74.00          | 24.99       | Pass     | V        | PK       |
| 9     | 4249.0833   | -17.63      | 62.13                       | 44.50          | 74.00          | 29.50       | Pass     | V        | PK       |
| 10    | 5999.1999   | -12.97      | 54.49                       | 41.52          | 74.00          | 32.48       | Pass     | V        | PK       |
| 11    | 8527.3685   | -10.50      | 55.09                       | 44.59          | 74.00          | 29.41       | Pass     | V        | PK       |
| 12    | 14390.7594  | 1.07        | 48.83                       | 49.90          | 74.00          | 24.10       | Pass     | V        | PK       |

| Mode: |             |             | 802.11 n(HT20) Transmitting |                |                |             | Channel: |          | 2437 MHz |
|-------|-------------|-------------|-----------------------------|----------------|----------------|-------------|----------|----------|----------|
| NO    | Freq. [MHz] | Factor [dB] | Reading [dBμV]              | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result   | Polarity | Remark   |
| 1     | 1064.4064   | 0.89        | 44.65                       | 45.54          | 74.00          | 28.46       | Pass     | H        | PK       |
| 2     | 2124.9125   | 4.61        | 49.73                       | 54.34          | 74.00          | 19.66       | Pass     | H        | PK       |
| 3     | 4256.0837   | -17.58      | 57.14                       | 39.56          | 74.00          | 34.44       | Pass     | H        | PK       |
| 4     | 6485.2323   | -12.72      | 53.26                       | 40.54          | 74.00          | 33.46       | Pass     | H        | PK       |
| 5     | 10316.4878  | -6.43       | 51.20                       | 44.77          | 74.00          | 29.23       | Pass     | H        | PK       |
| 6     | 14369.7580  | 0.72        | 48.26                       | 48.98          | 74.00          | 25.02       | Pass     | H        | PK       |
| 7     | 1104.2104   | 0.85        | 42.87                       | 43.72          | 74.00          | 30.28       | Pass     | V        | PK       |
| 8     | 2129.3129   | 4.56        | 48.58                       | 53.14          | 74.00          | 20.86       | Pass     | V        | PK       |
| 9     | 4264.0843   | -17.51      | 63.63                       | 46.12          | 74.00          | 27.88       | Pass     | V        | PK       |
| 10    | 6910.2607   | -11.83      | 53.36                       | 41.53          | 74.00          | 32.47       | Pass     | V        | PK       |
| 11    | 10768.5179  | -6.31       | 52.14                       | 45.83          | 74.00          | 28.17       | Pass     | V        | PK       |
| 12    | 15347.8232  | -0.08       | 50.18                       | 50.10          | 74.00          | 23.90       | Pass     | V        | PK       |

| Mode: |             |             | 802.11 n(HT20) Transmitting |                |                |             | Channel: |          | 2462 MHz |
|-------|-------------|-------------|-----------------------------|----------------|----------------|-------------|----------|----------|----------|
| NO    | Freq. [MHz] | Factor [dB] | Reading [dBμV]              | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result   | Polarity | Remark   |
| 1     | 1062.4062   | 0.89        | 44.97                       | 45.86          | 74.00          | 28.14       | Pass     | H        | PK       |
| 2     | 2126.1126   | 4.60        | 49.96                       | 54.56          | 74.00          | 19.44       | Pass     | H        | PK       |
| 3     | 4248.0832   | -17.64      | 59.92                       | 42.28          | 74.00          | 31.72       | Pass     | H        | PK       |
| 4     | 6708.2472   | -12.47      | 53.53                       | 41.06          | 74.00          | 32.94       | Pass     | H        | PK       |
| 5     | 10312.4875  | -6.44       | 51.56                       | 45.12          | 74.00          | 28.88       | Pass     | H        | PK       |
| 6     | 14387.7592  | 1.02        | 47.70                       | 48.72          | 74.00          | 25.28       | Pass     | H        | PK       |
| 7     | 1065.6066   | 0.88        | 43.29                       | 44.17          | 74.00          | 29.83       | Pass     | V        | PK       |
| 8     | 2124.1124   | 4.62        | 45.60                       | 50.22          | 74.00          | 23.78       | Pass     | V        | PK       |
| 9     | 4252.0835   | -17.61      | 62.11                       | 44.50          | 74.00          | 29.50       | Pass     | V        | PK       |
| 10    | 5737.1825   | -13.79      | 54.02                       | 40.23          | 74.00          | 33.77       | Pass     | V        | PK       |
| 11    | 8493.3662   | -10.58      | 58.71                       | 48.13          | 74.00          | 25.87       | Pass     | V        | PK       |
| 12    | 15369.8247  | 0.17        | 49.12                       | 49.29          | 74.00          | 24.71       | Pass     | V        | PK       |

| Mode: |             |             | 802.11 n(HT40) Transmitting |                |                |             | Channel: |          | 2422 MHz |
|-------|-------------|-------------|-----------------------------|----------------|----------------|-------------|----------|----------|----------|
| NO    | Freq. [MHz] | Factor [dB] | Reading [dBμV]              | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result   | Polarity | Remark   |
| 1     | 1065.4065   | 0.88        | 44.24                       | 45.12          | 74.00          | 28.88       | Pass     | H        | PK       |
| 2     | 2127.1127   | 4.58        | 52.45                       | 57.03          | 74.00          | 16.97       | Pass     | H        | PK       |
| 3     | 3189.0126   | -20.38      | 59.16                       | 38.78          | 74.00          | 35.22       | Pass     | H        | PK       |
| 4     | 5681.1787   | -13.99      | 53.72                       | 39.73          | 74.00          | 34.27       | Pass     | H        | PK       |
| 5     | 10288.4859  | -6.54       | 51.69                       | 45.15          | 74.00          | 28.85       | Pass     | H        | PK       |
| 6     | 14406.7605  | 1.12        | 48.76                       | 49.88          | 74.00          | 24.12       | Pass     | H        | PK       |
| 7     | 1066.8067   | 0.88        | 44.33                       | 45.21          | 74.00          | 28.79       | Pass     | V        | PK       |
| 8     | 2132.3132   | 4.53        | 44.83                       | 49.36          | 74.00          | 24.64       | Pass     | V        | PK       |
| 9     | 3199.0133   | -20.35      | 60.17                       | 39.82          | 74.00          | 34.18       | Pass     | V        | PK       |
| 10    | 4257.0838   | -17.57      | 60.92                       | 43.35          | 74.00          | 30.65       | Pass     | V        | PK       |
| 11    | 8533.3689   | -10.48      | 54.92                       | 44.44          | 74.00          | 29.56       | Pass     | V        | PK       |
| 12    | 14412.7609  | 1.04        | 48.15                       | 49.19          | 74.00          | 24.81       | Pass     | V        | PK       |

| Mode: |             |             | 802.11 n(HT40) Transmitting |                |                |             | Channel: |          | 2437 MHz |
|-------|-------------|-------------|-----------------------------|----------------|----------------|-------------|----------|----------|----------|
| NO    | Freq. [MHz] | Factor [dB] | Reading [dBμV]              | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result   | Polarity | Remark   |
| 1     | 1065.2065   | 0.88        | 46.23                       | 47.11          | 74.00          | 26.89       | Pass     | H        | PK       |
| 2     | 2123.7124   | 4.62        | 49.20                       | 53.82          | 74.00          | 20.18       | Pass     | H        | PK       |
| 3     | 4266.0844   | -17.50      | 57.67                       | 40.17          | 74.00          | 33.83       | Pass     | H        | PK       |
| 4     | 6971.2648   | -11.82      | 52.23                       | 40.41          | 74.00          | 33.59       | Pass     | H        | PK       |
| 5     | 9794.4530   | -7.40       | 50.73                       | 43.33          | 74.00          | 30.67       | Pass     | H        | PK       |
| 6     | 14370.7581  | 0.73        | 48.89                       | 49.62          | 74.00          | 24.38       | Pass     | H        | PK       |
| 7     | 1065.6066   | 0.88        | 43.62                       | 44.50          | 74.00          | 29.50       | Pass     | V        | PK       |
| 8     | 2125.5126   | 4.60        | 46.62                       | 51.22          | 74.00          | 22.78       | Pass     | V        | PK       |
| 9     | 3196.0131   | -20.36      | 60.17                       | 39.81          | 74.00          | 34.19       | Pass     | V        | PK       |
| 10    | 4264.0843   | -17.51      | 64.40                       | 46.89          | 74.00          | 27.11       | Pass     | V        | PK       |
| 11    | 8528.3686   | -10.49      | 53.59                       | 43.10          | 74.00          | 30.90       | Pass     | V        | PK       |
| 12    | 14391.7595  | 1.08        | 47.94                       | 49.02          | 74.00          | 24.98       | Pass     | V        | PK       |

| Mode: |             |             | 802.11 n(HT40) Transmitting |                |                |             | Channel: |          | 2452 MHz |
|-------|-------------|-------------|-----------------------------|----------------|----------------|-------------|----------|----------|----------|
| NO    | Freq. [MHz] | Factor [dB] | Reading [dBμV]              | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result   | Polarity | Remark   |
| 1     | 1063.2063   | 0.89        | 43.61                       | 44.50          | 74.00          | 29.50       | Pass     | H        | PK       |
| 2     | 2123.3123   | 4.63        | 46.45                       | 51.08          | 74.00          | 22.92       | Pass     | H        | PK       |
| 3     | 4253.0835   | -17.60      | 58.53                       | 40.93          | 74.00          | 33.07       | Pass     | H        | PK       |
| 4     | 5956.1971   | -13.24      | 53.26                       | 40.02          | 74.00          | 33.98       | Pass     | H        | PK       |
| 5     | 9200.4134   | -7.88       | 51.85                       | 43.97          | 74.00          | 30.03       | Pass     | H        | PK       |
| 6     | 14369.7580  | 0.72        | 48.93                       | 49.65          | 74.00          | 24.35       | Pass     | H        | PK       |
| 7     | 1064.4064   | 0.89        | 43.21                       | 44.10          | 74.00          | 29.90       | Pass     | V        | PK       |
| 8     | 2127.9128   | 4.58        | 46.95                       | 51.53          | 74.00          | 22.47       | Pass     | V        | PK       |
| 9     | 4247.0831   | -17.65      | 64.96                       | 47.31          | 74.00          | 26.69       | Pass     | V        | PK       |
| 10    | 6374.2249   | -12.88      | 53.64                       | 40.76          | 74.00          | 33.24       | Pass     | V        | PK       |
| 11    | 8499.3666   | -10.55      | 56.11                       | 45.56          | 74.00          | 28.44       | Pass     | V        | PK       |
| 12    | 14400.7601  | 1.21        | 48.16                       | 49.37          | 74.00          | 24.63       | Pass     | V        | PK       |

**Remark:**

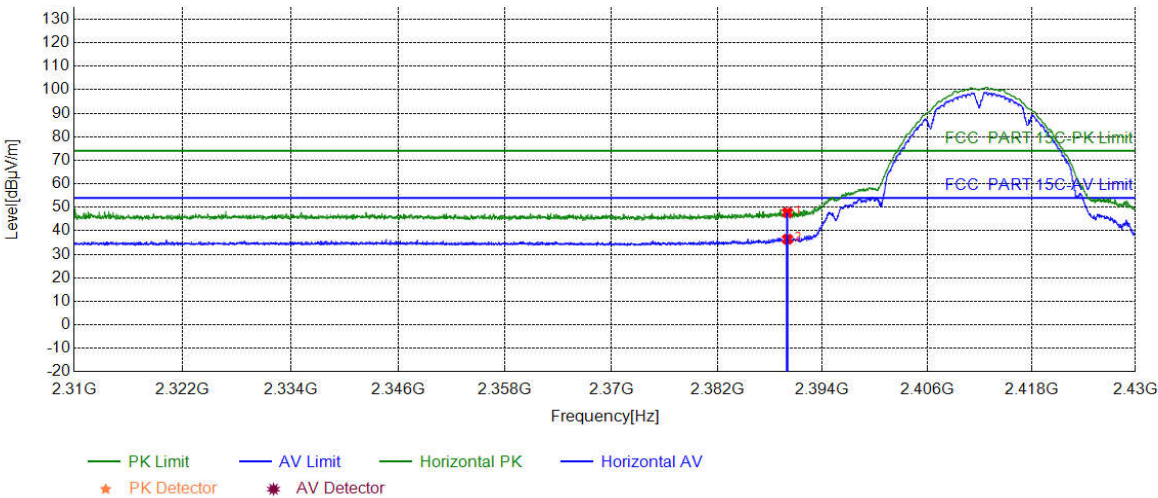
- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:  
Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 2) Scan from 9kHz to 25GHz, the disturbance above 10GHz and below 30MHz was very low. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.

Restricted bands:

Test plot as follows:

|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 b Transmitting | Channel: | 2412 |
| Remark: | ANT1                  |          |      |

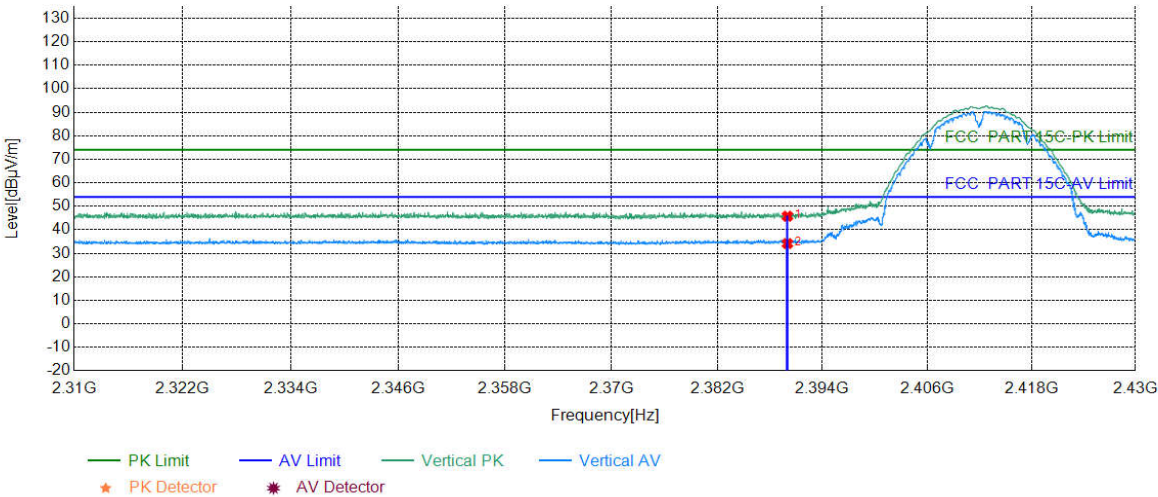
Test Graph



| Suspected List |             |             |                |                |                |             |        |            |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|------------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   | Remark |
| 1              | 2390.0000   | 5.77        | 42.00          | 47.77          | 74.00          | 26.23       | PASS   | Horizontal | PK     |
| 2              | 2390.0000   | 5.77        | 30.65          | 36.42          | 54.00          | 17.58       | PASS   | Horizontal | AV     |

|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 b Transmitting | Channel: | 2412 |
| Remark: | ANT1                  |          |      |

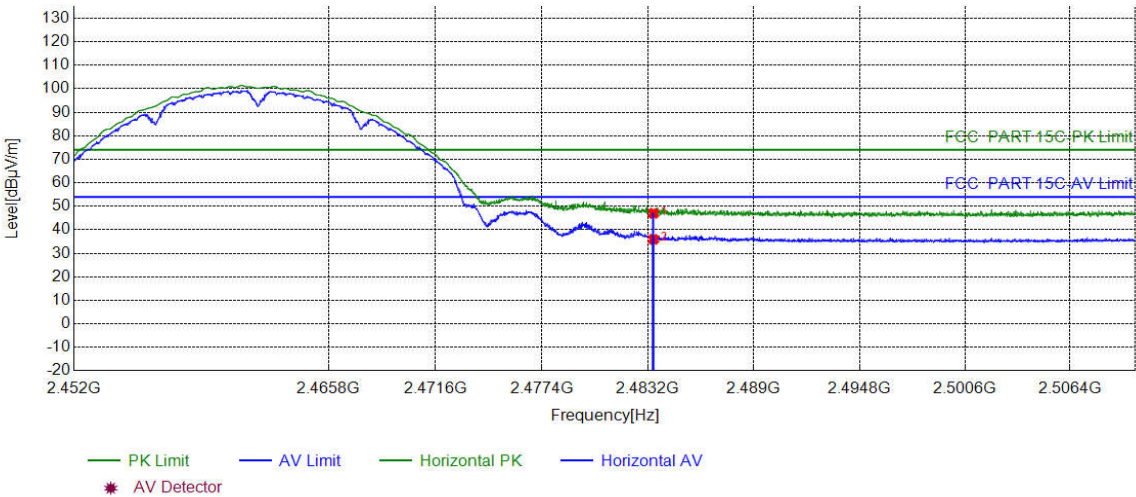
Test Graph



| Suspected List |             |             |                |                |                |             |        |          |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1              | 2390.0000   | 5.77        | 40.00          | 45.77          | 74.00          | 28.23       | PASS   | Vertical | PK     |
| 2              | 2390.0000   | 5.77        | 28.37          | 34.14          | 54.00          | 19.86       | PASS   | Vertical | AV     |

|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 b Transmitting | Channel: | 2462 |
| Remark: | ANT1                  |          |      |

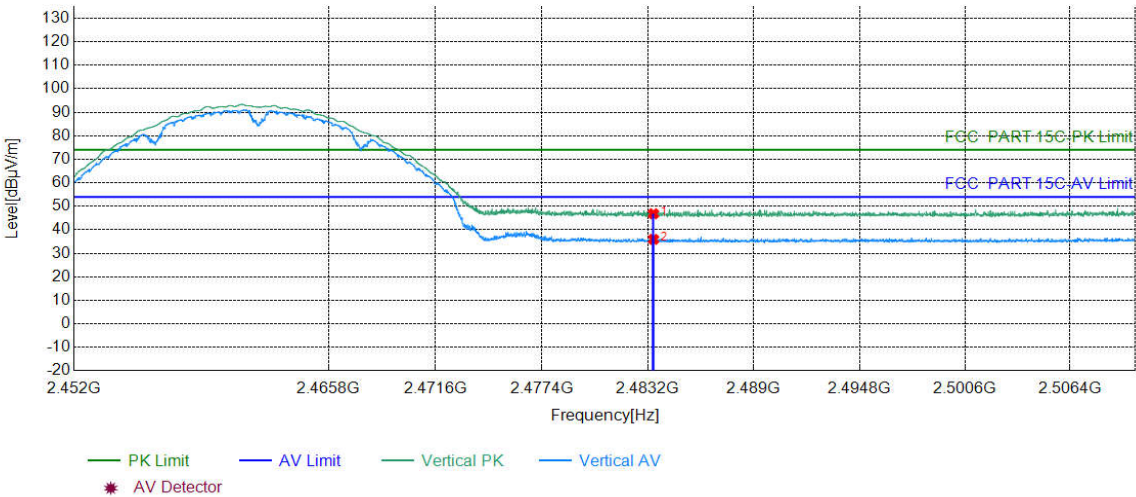
Test Graph



| Suspected List |             |             |                |                |                |             |        |            |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|------------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   | Remark |
| 1              | 2483.5000   | 6.57        | 40.44          | 47.01          | 74.00          | 26.99       | PASS   | Horizontal | PK     |
| 2              | 2483.5000   | 6.57        | 29.37          | 35.94          | 54.00          | 18.06       | PASS   | Horizontal | AV     |

|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 b Transmitting | Channel: | 2462 |
| Remark: | ANT1                  |          |      |

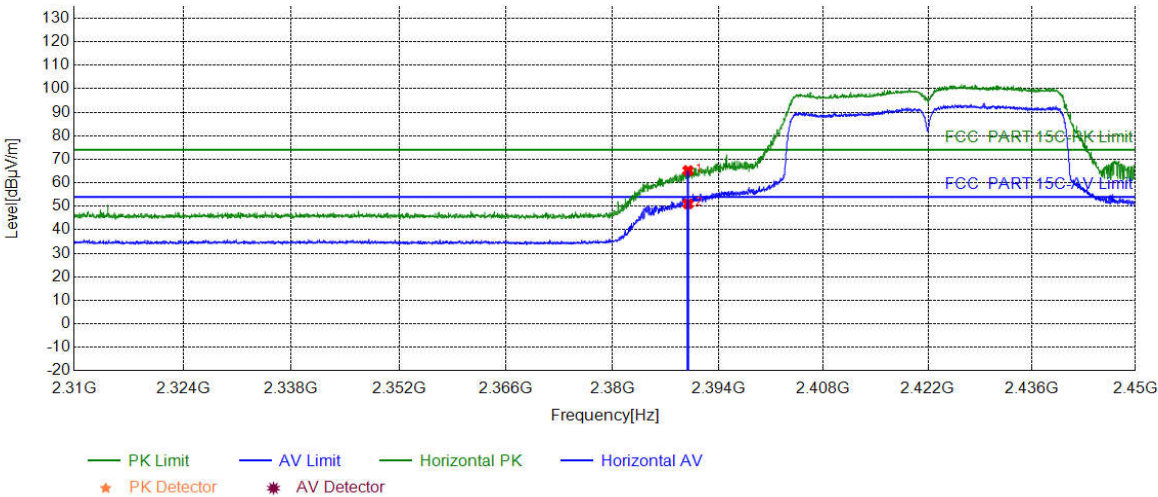
Test Graph



| Suspected List |             |             |                |                |                |             |        |          |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1              | 2483.5000   | 6.57        | 40.26          | 46.83          | 74.00          | 27.17       | PASS   | Vertical | PK     |
| 2              | 2483.5000   | 6.57        | 29.36          | 35.93          | 54.00          | 18.07       | PASS   | Vertical | AV     |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT40) Transmitting | Channel: | 2422 |
| Remark: | ANT1                        |          |      |

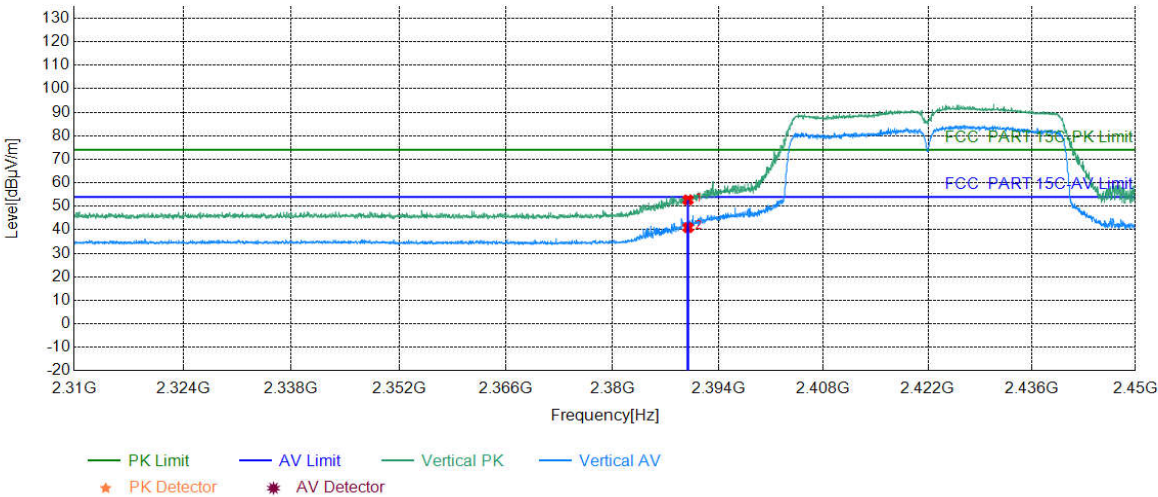
Test Graph



| Suspected List |             |             |                |                |                |             |        |            |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|------------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   | Remark |
| 1              | 2390.0000   | 5.77        | 59.42          | 65.19          | 74.00          | 8.81        | PASS   | Horizontal | PK     |
| 2              | 2390.0000   | 5.77        | 45.27          | 51.04          | 54.00          | 2.96        | PASS   | Horizontal | AV     |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT40) Transmitting | Channel: | 2422 |
| Remark: | ANT1                        |          |      |

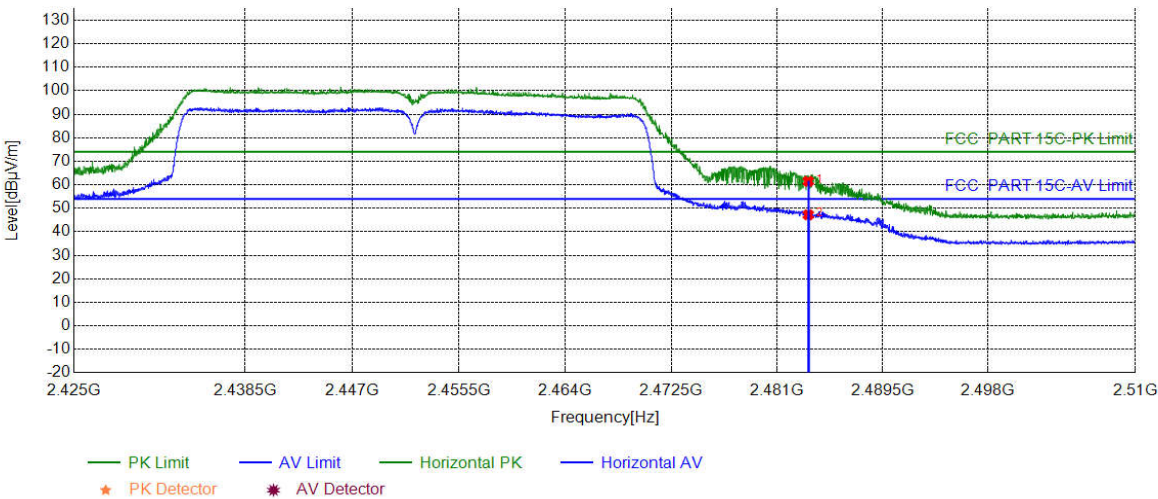
Test Graph



| Suspected List |             |             |                |                |                |             |        |          |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1              | 2390.0000   | 5.77        | 46.95          | 52.72          | 74.00          | 21.28       | PASS   | Vertical | PK     |
| 2              | 2390.0000   | 5.77        | 35.17          | 40.94          | 54.00          | 13.06       | PASS   | Vertical | AV     |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT40) Transmitting | Channel: | 2452 |
| Remark: | ANT1                        |          |      |

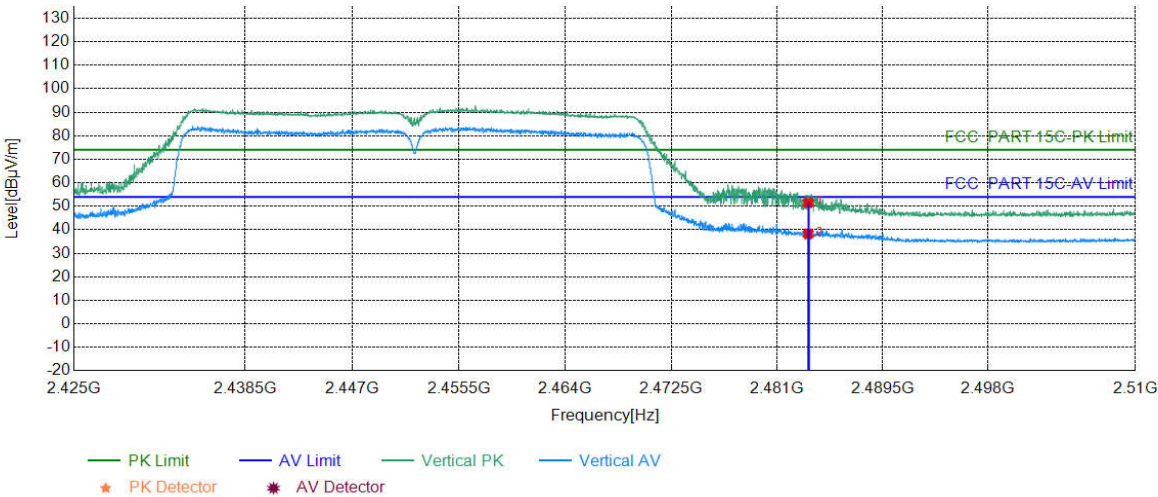
Test Graph



| Suspected List |             |             |                |                |                |             |        |            |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|------------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   | Remark |
| 1              | 2483.5000   | 6.57        | 54.92          | 61.49          | 74.00          | 12.51       | PASS   | Horizontal | PK     |
| 2              | 2483.5000   | 6.57        | 40.66          | 47.23          | 54.00          | 6.77        | PASS   | Horizontal | AV     |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT40) Transmitting | Channel: | 2452 |
| Remark: | ANT1                        |          |      |

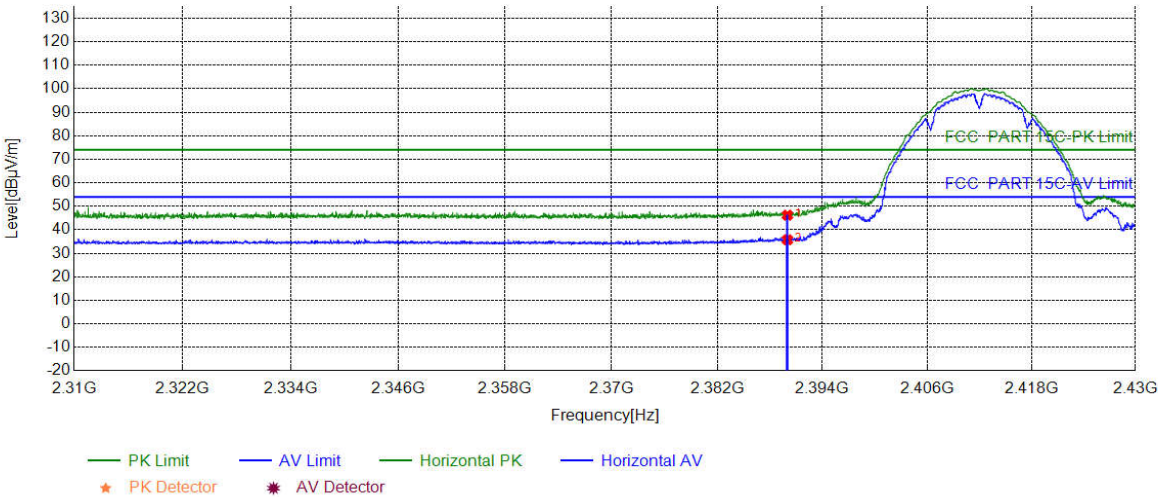
Test Graph



| Suspected List |             |             |                |                |                |             |        |          |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1              | 2483.5000   | 6.57        | 44.90          | 51.47          | 74.00          | 22.53       | PASS   | Vertical | PK     |
| 2              | 2483.5000   | 6.57        | 31.68          | 38.25          | 54.00          | 15.75       | PASS   | Vertical | AV     |

|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 b Transmitting | Channel: | 2412 |
| Remark: | ANT2                  |          |      |

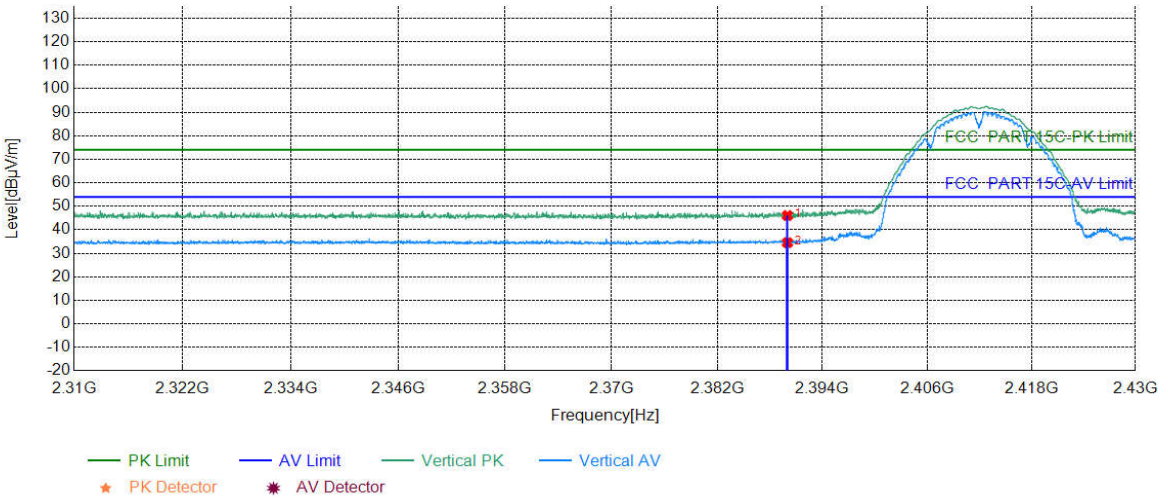
Test Graph



| Suspected List |             |             |                |                |                |             |        |            |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|------------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   | Remark |
| 1              | 2390.0000   | 5.77        | 40.45          | 46.22          | 74.00          | 27.78       | PASS   | Horizontal | PK     |
| 2              | 2390.0000   | 5.77        | 29.99          | 35.76          | 54.00          | 18.24       | PASS   | Horizontal | AV     |

|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 b Transmitting | Channel: | 2412 |
| Remark: | ANT2                  |          |      |

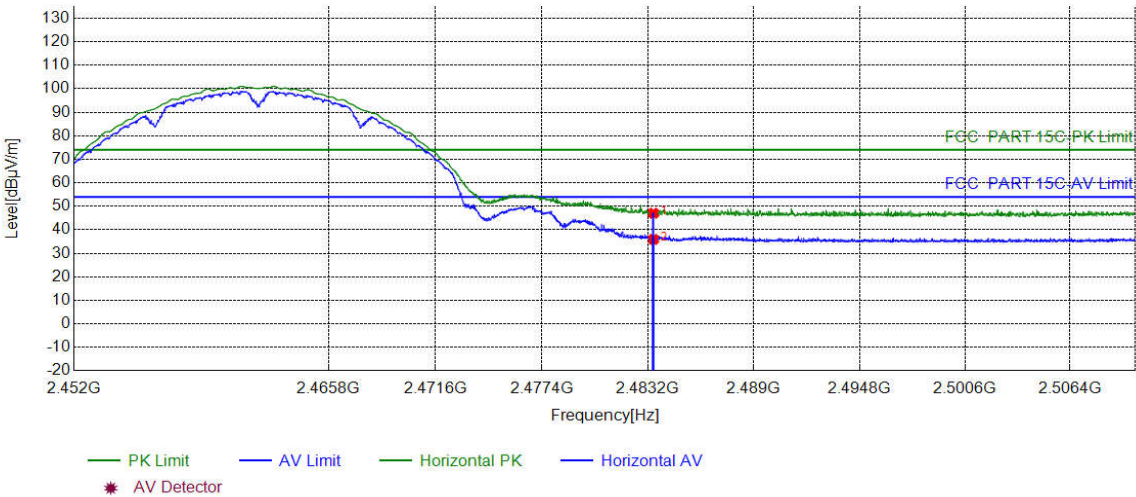
Test Graph



| Suspected List |             |             |                |                |                |             |        |          |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1              | 2390.0000   | 5.77        | 40.30          | 46.07          | 74.00          | 27.93       | PASS   | Vertical | PK     |
| 2              | 2390.0000   | 5.77        | 28.75          | 34.52          | 54.00          | 19.48       | PASS   | Vertical | AV     |

|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 b Transmitting | Channel: | 2462 |
| Remark: | ANT2                  |          |      |

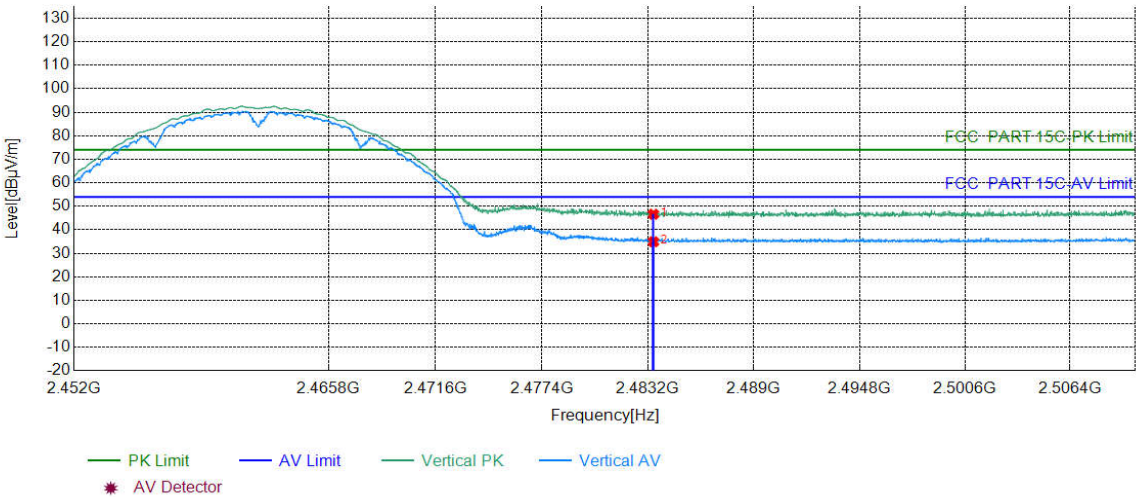
Test Graph



| Suspected List |             |             |                |                |                |             |        |            |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|------------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   | Remark |
| 1              | 2483.5000   | 6.57        | 40.50          | 47.07          | 74.00          | 26.93       | PASS   | Horizontal | PK     |
| 2              | 2483.5000   | 6.57        | 29.35          | 35.92          | 54.00          | 18.08       | PASS   | Horizontal | AV     |

|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 b Transmitting | Channel: | 2462 |
| Remark: | ANT2                  |          |      |

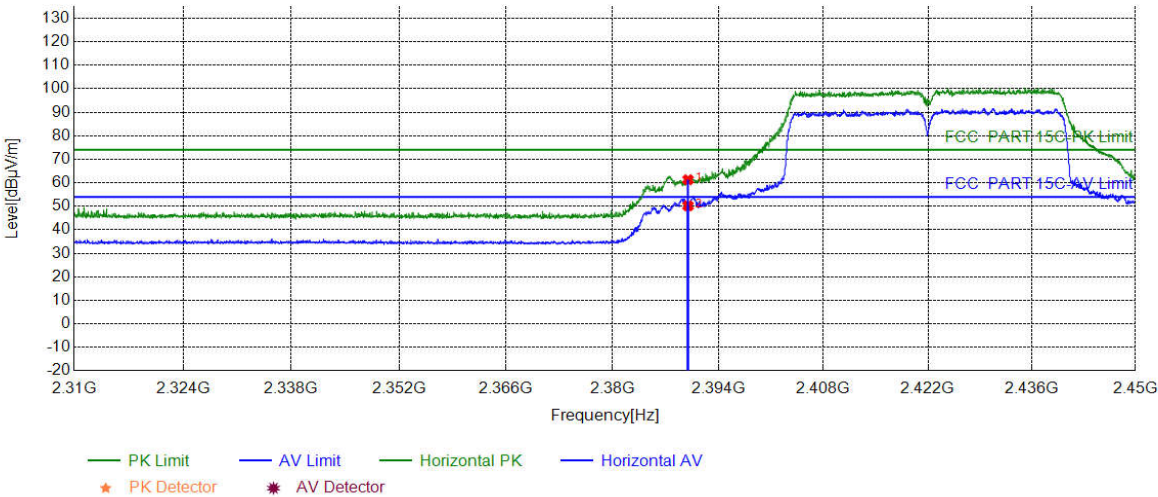
Test Graph



| Suspected List |             |             |                |                |                |             |        |          |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1              | 2483.5000   | 6.57        | 40.06          | 46.63          | 74.00          | 27.37       | PASS   | Vertical | PK     |
| 2              | 2483.5000   | 6.57        | 28.34          | 34.91          | 54.00          | 19.09       | PASS   | Vertical | AV     |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT40) Transmitting | Channel: | 2422 |
| Remark: | ANT2                        |          |      |

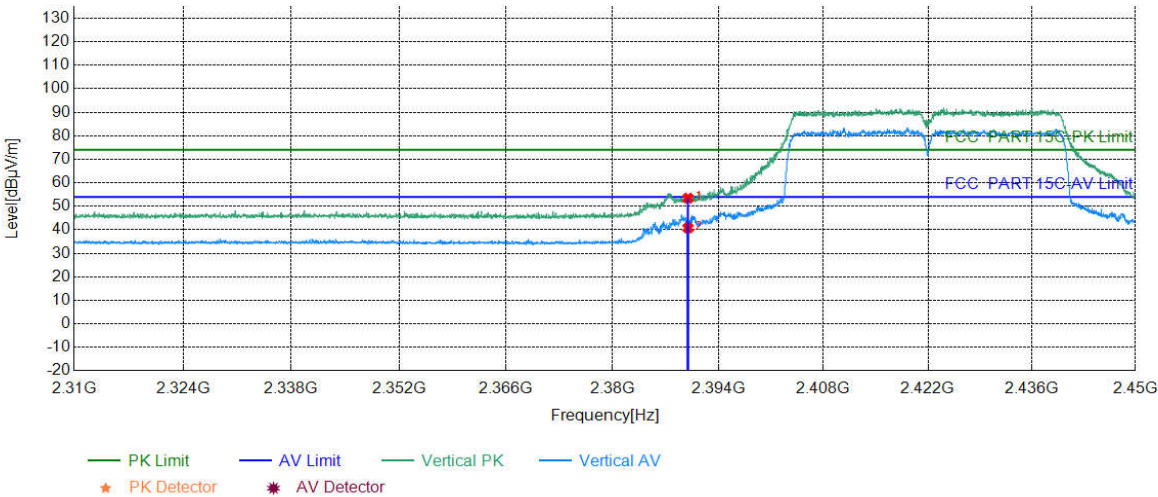
Test Graph



| Suspected List |             |             |                |                |                |             |        |            |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|------------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   | Remark |
| 1              | 2390.0000   | 5.77        | 55.54          | 61.31          | 74.00          | 12.69       | PASS   | Horizontal | PK     |
| 2              | 2390.0000   | 5.77        | 44.42          | 50.19          | 54.00          | 3.81        | PASS   | Horizontal | AV     |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT40) Transmitting | Channel: | 2422 |
| Remark: | ANT2                        |          |      |

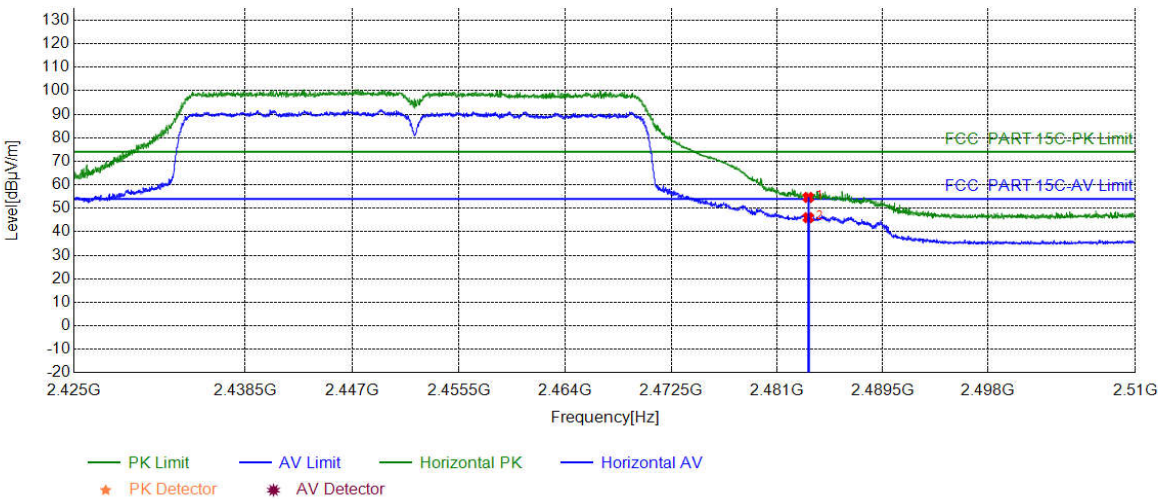
Test Graph



| Suspected List |             |             |                |                |                |             |        |          |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1              | 2390.0000   | 5.77        | 47.70          | 53.47          | 74.00          | 20.53       | PASS   | Vertical | PK     |
| 2              | 2390.0000   | 5.77        | 35.02          | 40.79          | 54.00          | 13.21       | PASS   | Vertical | AV     |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT40) Transmitting | Channel: | 2452 |
| Remark: | ANT2                        |          |      |

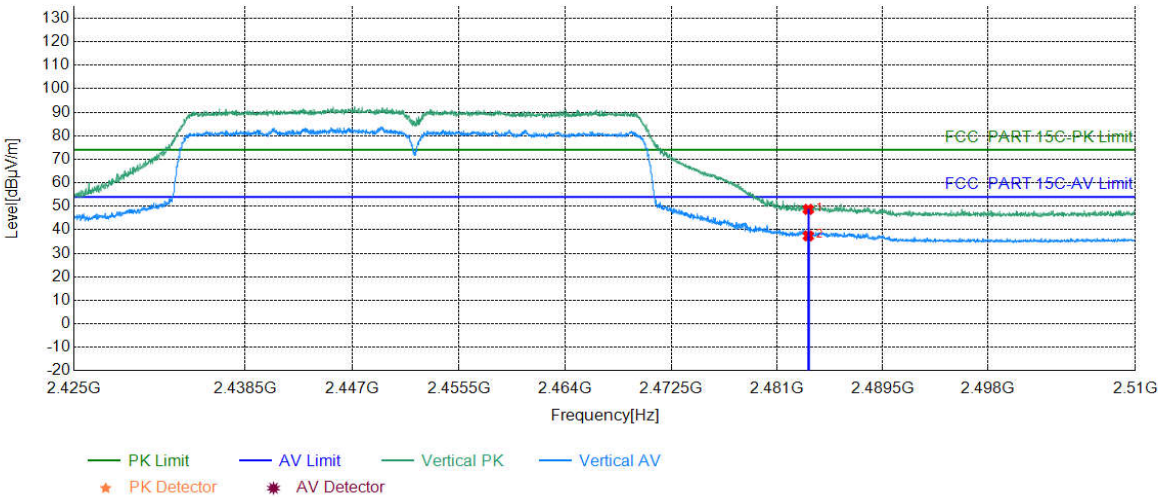
Test Graph



| Suspected List |             |             |                |                |                |             |        |            |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|------------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   | Remark |
| 1              | 2483.5000   | 6.57        | 48.05          | 54.62          | 74.00          | 19.38       | PASS   | Horizontal | PK     |
| 2              | 2483.5000   | 6.57        | 39.44          | 46.01          | 54.00          | 7.99        | PASS   | Horizontal | AV     |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT40) Transmitting | Channel: | 2452 |
| Remark: | ANT2                        |          |      |

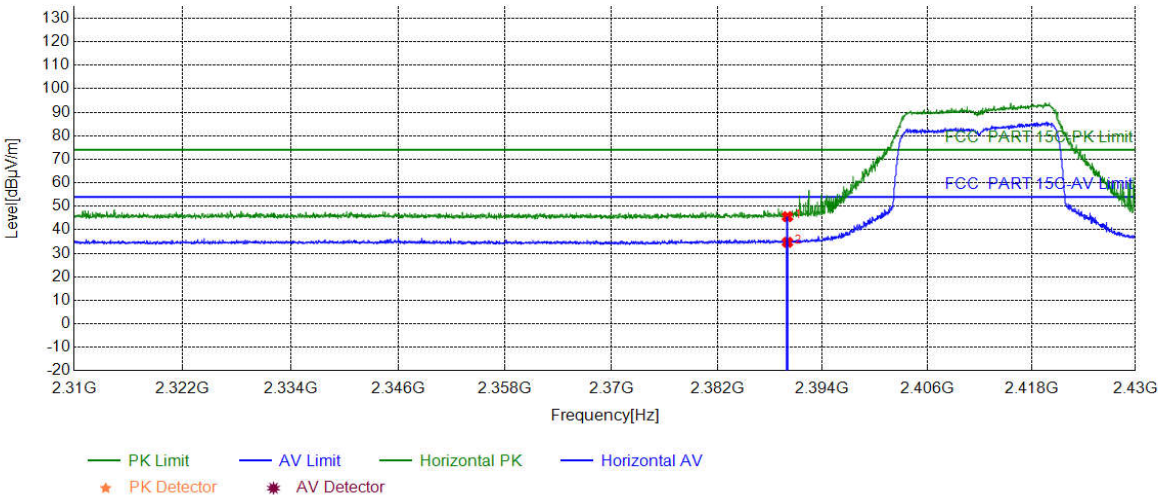
Test Graph



| Suspected List |             |             |                |                |                |             |        |          |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1              | 2483.5000   | 6.57        | 42.13          | 48.70          | 74.00          | 25.30       | PASS   | Vertical | PK     |
| 2              | 2483.5000   | 6.57        | 30.84          | 37.41          | 54.00          | 16.59       | PASS   | Vertical | AV     |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT20) Transmitting | Channel: | 2412 |
| Remark: | MIMO                        |          |      |

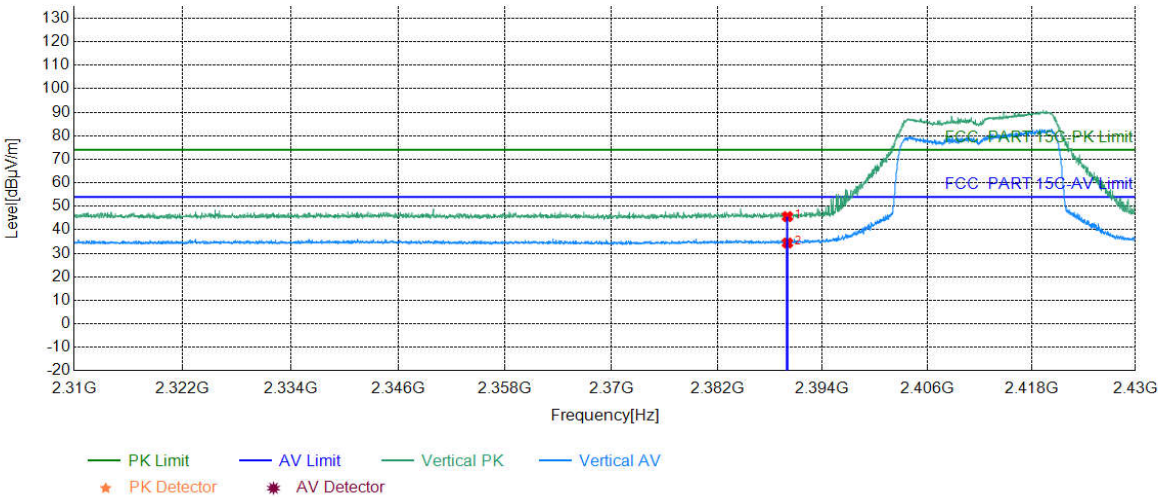
Test Graph



| Suspected List |             |             |                |                |                |             |        |            |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|------------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   | Remark |
| 1              | 2390.0000   | 5.77        | 39.82          | 45.59          | 74.00          | 28.41       | PASS   | Horizontal | PK     |
| 2              | 2390.0000   | 5.77        | 28.92          | 34.69          | 54.00          | 19.31       | PASS   | Horizontal | AV     |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT20) Transmitting | Channel: | 2412 |
| Remark: | MIMO                        |          |      |

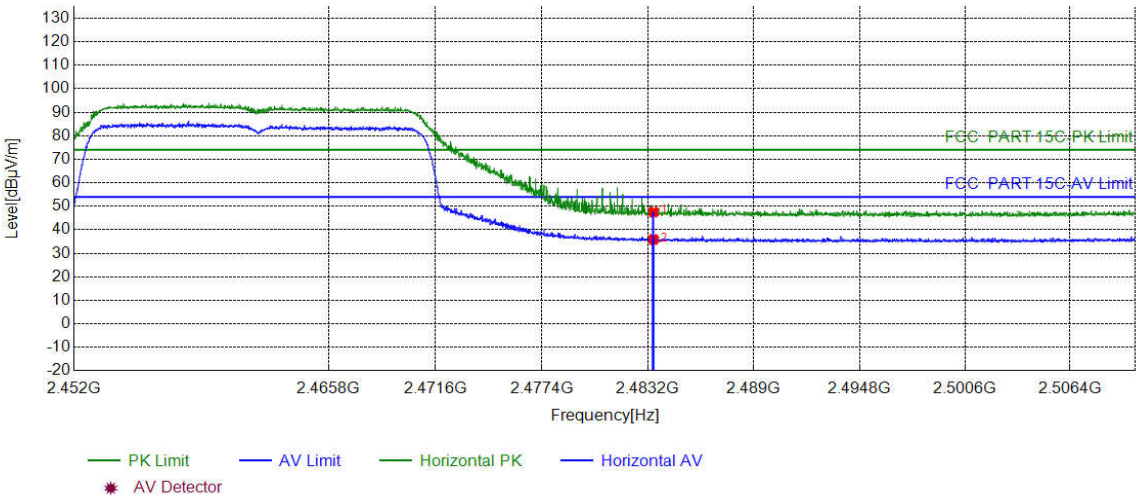
Test Graph



| Suspected List |             |             |                |                |                |             |        |          |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1              | 2390.0000   | 5.77        | 39.85          | 45.62          | 74.00          | 28.38       | PASS   | Vertical | PK     |
| 2              | 2390.0000   | 5.77        | 28.62          | 34.39          | 54.00          | 19.61       | PASS   | Vertical | AV     |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT20) Transmitting | Channel: | 2462 |
| Remark: | MIMO                        |          |      |

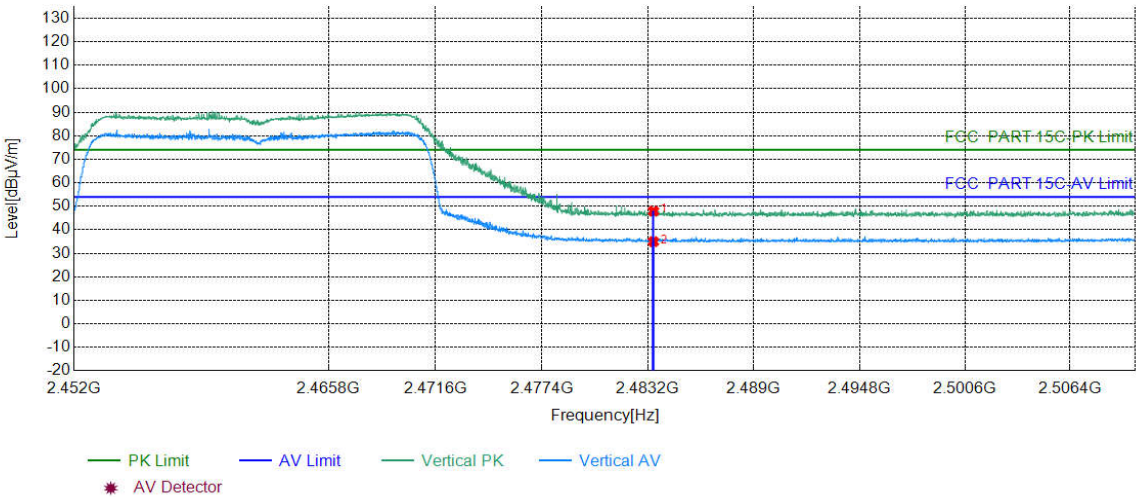
Test Graph



| Suspected List |             |             |                |                |                |             |        |            |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|------------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   | Remark |
| 1              | 2483.5000   | 6.57        | 40.97          | 47.54          | 74.00          | 26.46       | PASS   | Horizontal | PK     |
| 2              | 2483.5000   | 6.57        | 29.30          | 35.87          | 54.00          | 18.13       | PASS   | Horizontal | AV     |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT20) Transmitting | Channel: | 2462 |
| Remark: | MIMO                        |          |      |

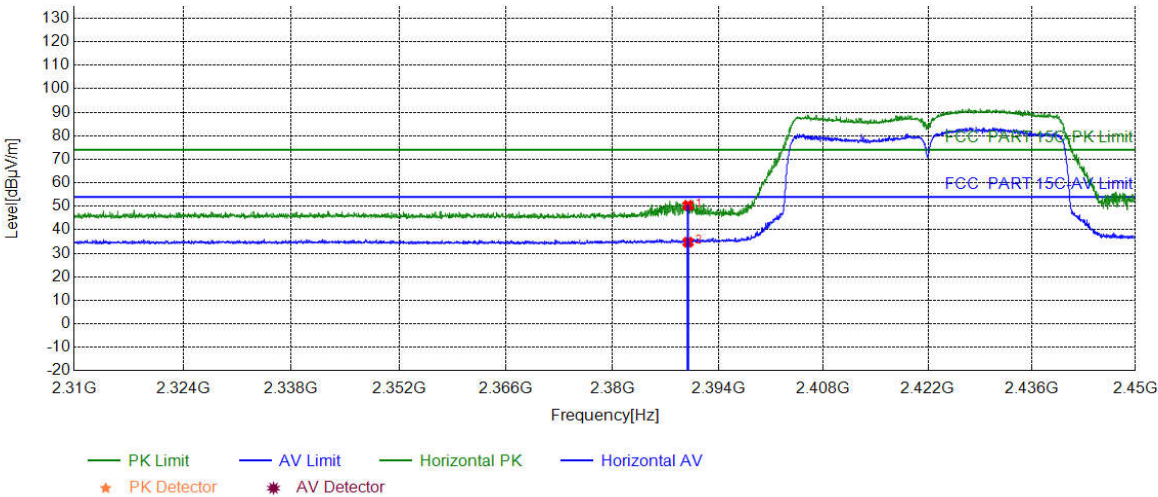
Test Graph



| Suspected List |             |             |                |                |                |             |        |          |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1              | 2483.5000   | 6.57        | 41.36          | 47.93          | 74.00          | 26.07       | PASS   | Vertical | PK     |
| 2              | 2483.5000   | 6.57        | 28.40          | 34.97          | 54.00          | 19.03       | PASS   | Vertical | AV     |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT40) Transmitting | Channel: | 2422 |
| Remark: | MIMO                        |          |      |

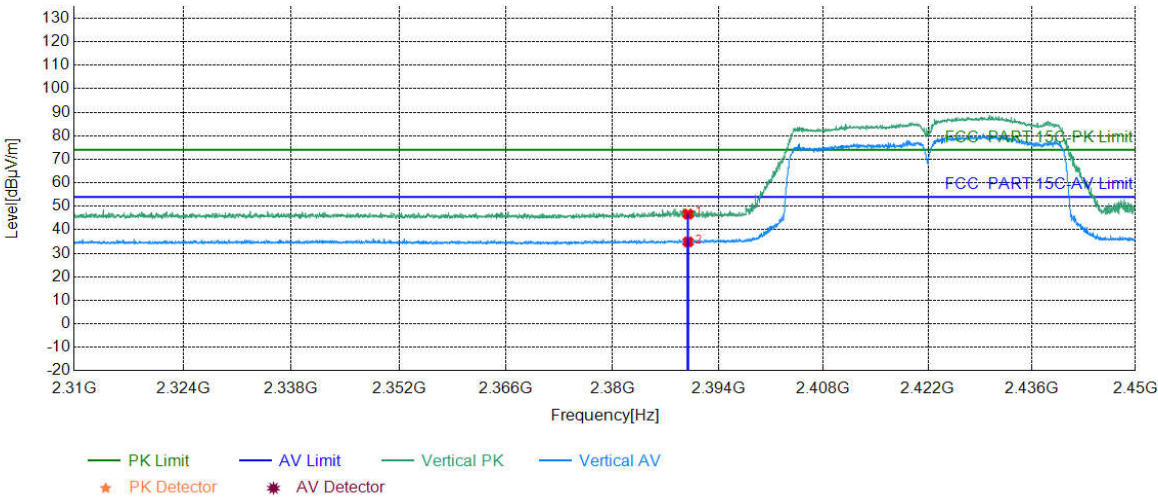
Test Graph



| Suspected List |             |             |                |                |                |             |        |            |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|------------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   | Remark |
| 1              | 2390.0000   | 5.77        | 44.59          | 50.36          | 74.00          | 23.64       | PASS   | Horizontal | PK     |
| 2              | 2390.0000   | 5.77        | 28.95          | 34.72          | 54.00          | 19.28       | PASS   | Horizontal | AV     |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT40) Transmitting | Channel: | 2422 |
| Remark: | MIMO                        |          |      |

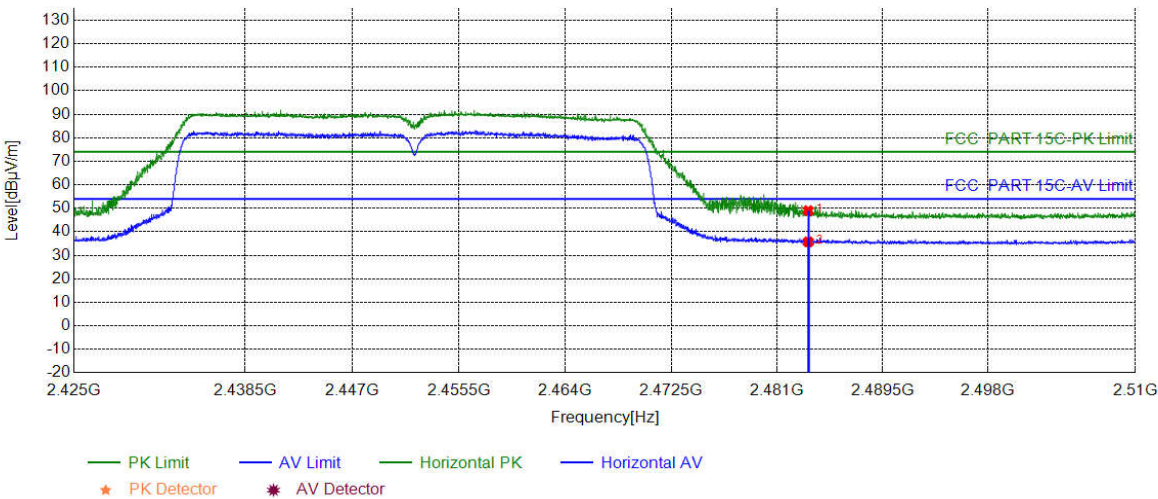
Test Graph



| Suspected List |             |             |                |                |                |             |        |          |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1              | 2390.0000   | 5.77        | 40.91          | 46.68          | 74.00          | 27.32       | PASS   | Vertical | PK     |
| 2              | 2390.0000   | 5.77        | 29.08          | 34.85          | 54.00          | 19.15       | PASS   | Vertical | AV     |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT40) Transmitting | Channel: | 2452 |
| Remark: | MIMO                        |          |      |

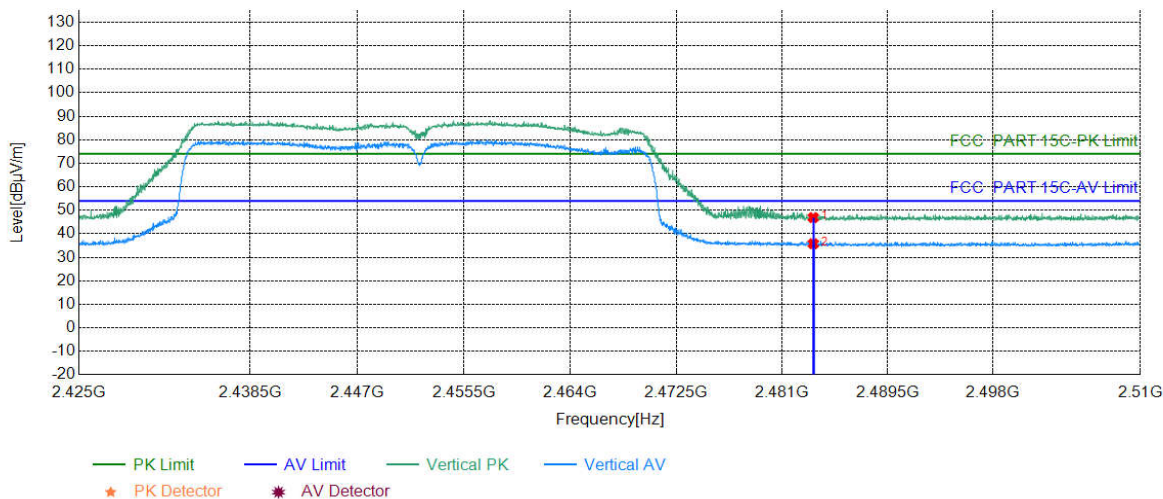
Test Graph



| Suspected List |             |             |                |                |                |             |        |            |        |
|----------------|-------------|-------------|----------------|----------------|----------------|-------------|--------|------------|--------|
| NO             | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   | Remark |
| 1              | 2483.5000   | 6.57        | 42.44          | 49.01          | 74.00          | 24.99       | PASS   | Horizontal | PK     |
| 2              | 2483.5000   | 6.57        | 29.16          | 35.73          | 54.00          | 18.27       | PASS   | Horizontal | AV     |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT40) Transmitting | Channel: | 2452 |
| Remark: | MIMO                        |          |      |

## Test Graph



## Suspected List

| NO | Freq. [MHz] | Factor [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
|----|-------------|-------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| 1  | 2483.5000   | 6.57        | 40.33          | 46.90          | 74.00          | 27.10       | PASS   | Vertical | PK     |
| 2  | 2483.5000   | 6.57        | 29.20          | 35.77          | 54.00          | 18.23       | PASS   | Vertical | AV     |

## Note:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

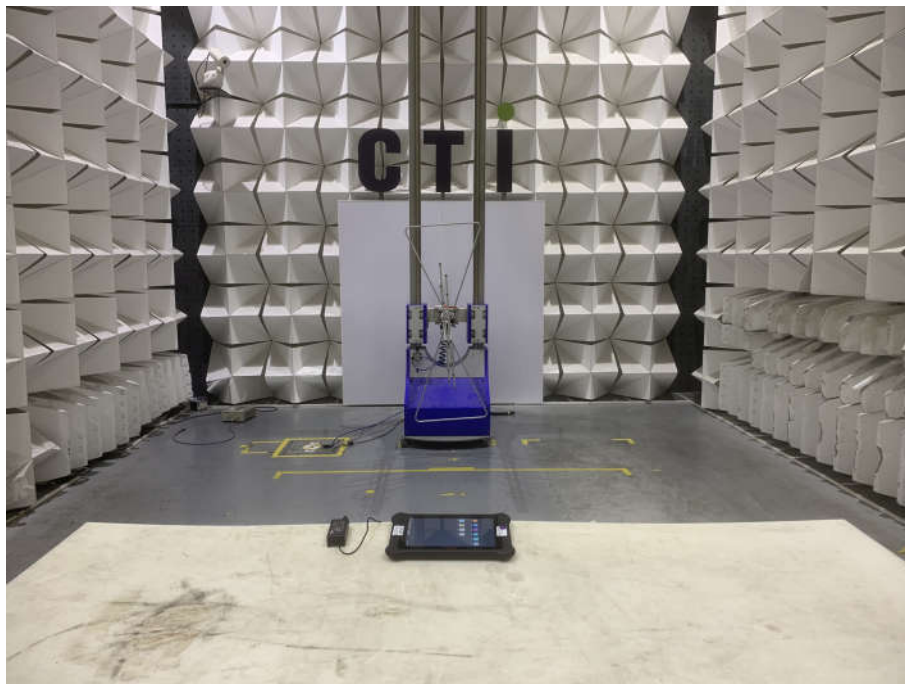
Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

## 8 Appendix A

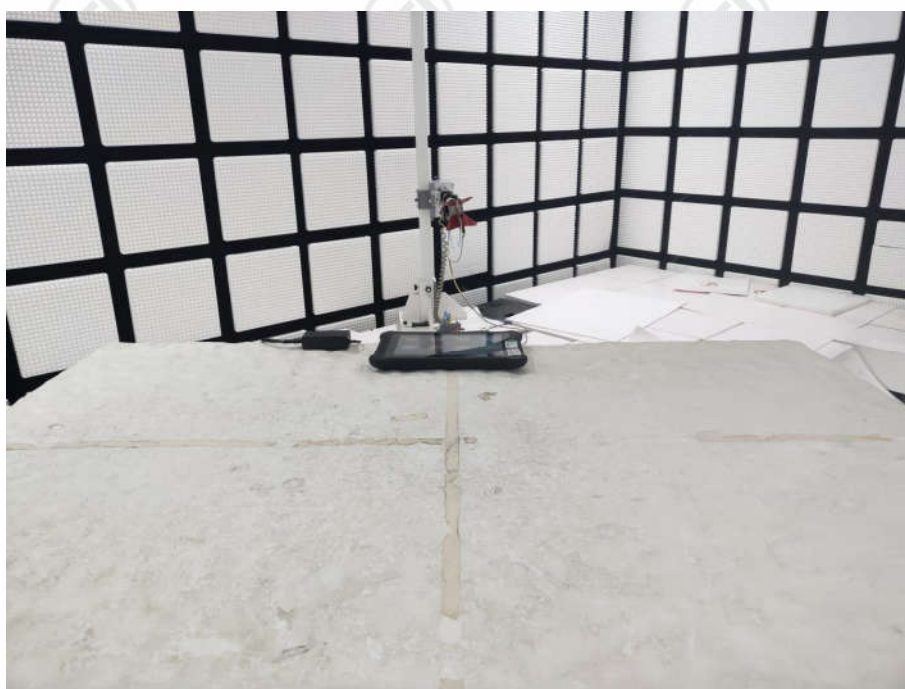
Refer to Appendix: 2.4G WIFI of EED32O80133703

## 9 PHOTOGRAPHS OF TEST SETUP

Test model No.:D1 Pro



**Radiated spurious emission Test Setup-1(Below 1GHz)**



**Radiated spurious emission Test Setup-2(Above 1GHz)**



**Radiated spurious emission Test Setup-3(Above 1GHz)**  
There are absorbing materials under the ground.



**Conducted Emissions Test Setup**

## 10 PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32O80133701 for EUT external and internal photos.

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in full.

\*\*\* End of Report \*\*\*